



<5.2GHz WLAN>

5.2GHz WLAN				Full Power						Body worn Standalone DBS Extremity Standalone DBS					
				Head Standalone Non DBS		Head Standalone DBS		Body&Extremity Standalone Non DBS		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.47	18.50	18.41	18.50	21.45	21.50	Not Required	18.50	Not Required	18.50	21.00	
		40	5200	19.80	20.00	19.59	20.00	22.71	23.00		19.50		22.80		
		44	5220	19.60	20.00	19.71	20.00	22.67	23.00		19.50		20.50		
		48	5240	18.84	19.00	19.19	19.50	22.03	22.30		19.00		20.50		
	802.11n-HT20 MCS0	36	5180	17.40	17.50	17.63	18.00	20.53	20.80	Not Required	17.50	Not Required	18.00	20.80	
		40	5200	19.82	20.00	19.66	20.00	22.75	23.00		19.50		22.80		
		44	5220	19.87	20.00	19.81	20.00	22.85	23.00		19.50		21.50		
	802.11n-HT40 MCS0	38	5190	16.82	17.00	17.21	17.50	20.03	20.30	16.82	17.00	17.21	17.50	20.03	20.30
		46	5230	19.68	20.00	19.92	20.00	22.81	23.30	19.13	19.50	19.35	19.50	22.25	22.80
	802.11ac-VHT20 MCS0	36	5180	17.41	17.50	17.65	18.00	20.54	20.80	Not Required	17.50	Not Required	18.00	20.80	
		40	5200	19.85	20.00	19.71	20.00	22.79	23.00		19.50		22.80		
		44	5220	19.89	20.00	19.85	20.00	22.88	23.00		19.50		21.50		
48		5240	19.58	20.00	19.72	20.00	22.66	23.00	19.50		21.00				
802.11ac-VHT40 MCS0	38	5190	16.84	17.00	17.23	17.50	20.05	20.30	Not Required	17.00	Not Required	17.50	20.30		
	46	5230	19.71	20.00	19.95	20.00	22.84	23.00		19.50		22.80			
802.11ac-VHT80 MCS0	42	5210	16.69	17.00	17.49	17.50	20.12	20.30	17.00	17.00	17.50	17.50	20.30		
802.11ax-HE20 MCS0	36	5180	17.44	17.50	17.66	18.00	20.56	20.80	Not Required	17.50	Not Required	18.00	20.80		
	40	5200	19.87	20.00	19.74	20.00	22.82	23.00		19.50		22.80			
	44	5220	19.92	20.00	19.88	20.00	22.91	23.00		19.50		21.50			
	48	5240	19.60	20.00	19.73	20.00	22.68	23.00		19.50		21.00			
802.11ax-HE40 MCS0	38	5190	16.88	17.00	17.24	17.50	20.07	20.30	Not Required	17.00	Not Required	17.50	20.30		
	46	5230	19.73	20.00	19.97	20.00	22.86	23.00		19.50		22.80			
802.11ax-HE80 MCS0	42	5210	16.67	17.00	17.51	18.00	20.12	20.50	17.00	17.00	18.00	18.00	20.50		



5.2GHz WLAN				Head Simultaneous Non DBS Body worn Simultaneous Non DBS Extremely Simultaneous Non DBS Hotspot Standalone Non DBS Hotspot Standalone DBS Hotspot Simultaneous Non DBS						Head Simultaneous DBS Body worn Simultaneous DBS Extremely Simultaneous DBS Hotspot Standalone DBS Hotspot Simultaneous DBS							
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		Note	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	98.63
	40	5200		13.00		13.50		16.50		10.00		10.50		13.50			
	44	5220		13.00		13.50		16.50		10.00		10.50		13.50			
	48	5240		13.00		13.50		16.50		10.00		10.50		13.50			
802.11n-HT20 MCS0	36	5180	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	40	5200		13.00		13.50		16.50		10.00		10.50		13.50			
	44	5220		13.00		13.50		16.50		10.00		10.50		13.50			
802.11n-HT40 MCS0	38	5190	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	46	5230		13.00		13.50		16.50		10.00		10.50		13.50			
802.11ac-VHT20 MCS0	36	5180	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	40	5200		13.00		13.50		16.50		10.00		10.50		13.50			
	44	5220		13.00		13.50		16.50		10.00		10.50		13.50			
802.11ac-VHT40 MCS0	38	5190	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	46	5230		13.00		13.50		16.50		10.00		10.50		13.50			
802.11ac-VHT80 MCS0	42	5210	12.65	13.00	13.42	13.50	16.05	16.50	9.65	10.00	10.45	10.50	13.07	13.50	13.50	98.04	
802.11ax-HE20 MCS0	36	5180	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	40	5200		13.00		13.50		16.50		10.00		10.50		13.50			
	44	5220		13.00		13.50		16.50		10.00		10.50		13.50			
	48	5240		13.00		13.50		16.50		10.00		10.50		13.50			
802.11ax-HE40 MCS0	38	5190	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	100.00
	46	5230		13.00		13.50		16.50		10.00		10.50		13.50			
802.11ax-HE80 MCS0	42	5210	Not Required	13.00	Not Required	13.50	Not Required	16.50	Not Required	10.00	Not Required	10.50	Not Required	13.50	Not Required	13.50	98.69



<5.3GHz WLAN>

5.3GHz WLAN				Full Power Head Standalone Non DBS Head Standalone DBS Body&Extremity Standalone Non DBS						Head Simultaneous Non DBS Body worn Simultaneous Non DBS Extremely Simultaneous Non DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	20.04	20.50	19.55	20.00	22.81	23.30	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	56	5280	20.25	20.50	19.71	20.00	23.00	23.30		14.00		14.00		17.00	
	60	5300	19.80	20.00	18.83	19.00	22.35	22.50		14.00		14.00		17.00	
	64	5320	19.41	19.50	18.60	19.00	22.04	22.30		14.00		14.00		17.00	
802.11n-HT20 MCS0	52	5260	19.93	20.00	19.38	19.50	22.67	22.80	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	56	5280	19.67	20.00	19.06	19.50	22.39	22.80		14.00		14.00		17.00	
	60	5300	19.62	20.00	18.70	19.00	22.19	22.50		14.00		14.00		17.00	
	64	5320	18.73	19.00	18.01	18.50	21.40	21.80		14.00		14.00		17.00	
802.11n-HT40 MCS0	54	5270	19.79	20.00	19.20	19.50	22.52	22.80	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	62	5310	17.45	17.50	16.80	17.00	20.15	20.30		14.00		14.00		17.00	
802.11ac-VHT20 MCS0	52	5260	19.96	20.00	19.39	19.50	22.69	22.80	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	56	5280	19.72	20.00	19.11	19.50	22.44	22.80		14.00		14.00		17.00	
	60	5300	19.66	20.00	18.76	19.00	22.24	22.50		14.00		14.00		17.00	
	64	5320	18.75	19.00	18.04	18.50	21.42	21.80		14.00		14.00		17.00	
802.11ac-VHT40 MCS0	54	5270	19.83	20.00	19.23	19.50	22.55	22.80	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	62	5310	17.48	17.50	16.82	17.00	20.17	20.30		14.00		14.00		17.00	
802.11ac-VHT80 MCS0	58	5290	16.85	17.00	16.54	17.00	19.71	20.00	13.85	14.00	13.54	14.00	16.70	17.00	
802.11ac-VHT160 MCS0	50	5250	15.37	15.50	15.14	15.50	18.27	18.50	Not Required	14.00	Not Required	14.00	Not Required	17.00	
802.11ax-HE20 MCS0	52	5260	19.97	20.00	19.41	19.50	22.71	22.80		14.00		14.00		17.00	
	56	5280	19.74	20.00	19.15	19.50	22.47	22.80		14.00		14.00		17.00	
	60	5300	19.69	20.00	18.79	19.00	22.27	22.50		14.00		14.00		17.00	
	64	5320	18.79	19.00	18.09	18.50	21.46	21.80	14.00	14.00	17.00				
802.11ax-HE40 MCS0	54	5270	19.84	20.00	19.28	19.50	22.58	22.80	Not Required	14.00	Not Required	14.00	Not Required	17.00	
	62	5310	17.51	18.00	16.84	17.00	20.20	20.50		14.00		14.00		17.00	
802.11ax-HE80 MCS0	58	5290	16.85	17.00	16.57	17.00	19.72	20.00	14.00	14.00	14.00	14.00	17.00		
802.11ax-HE160 MCS0	50	5250	15.44	15.50	15.23	15.50	18.35	18.50	14.00	14.00	14.00	14.00	17.00		



5.3GHz WLAN				Head Simultaneous DBS Body worn Simultaneous DBS Extremely Simultaneous DBS						Body worn Standalone DBS Extremity Standalone DBS						Note	
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	20.00	Not Required	20.00	Not Required	19.50	Not Required	23.30	98.63
	56	5280		11.00		11.00		14.00		20.00		20.00		23.30			
	60	5300		11.00		11.00		14.00		20.00		19.00		22.50			
	64	5320		11.00		11.00		14.00		19.50		19.00		22.30			
802.11n-HT20 MCS0	52	5260	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	20.00	Not Required	19.50	Not Required	18.50	Not Required	22.80	100.00
	56	5280		11.00		11.00		14.00		20.00		19.50		22.80			
	60	5300		11.00		11.00		14.00		20.00		19.00		22.50			
	64	5320		11.00		11.00		14.00		19.00		18.50		21.80			
802.11n-HT40 MCS0	54	5270	Not Required	11.00	Not Required	11.00	Not Required	14.00	19.79	20.00	19.20	19.50	22.52	22.80	20.30	100.00	
	62	5310		11.00		11.00		14.00	17.45	17.50	16.80	17.00	20.15	20.30			
802.11ac-VHT20 MCS0	52	5260	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	20.00	Not Required	19.50	Not Required	18.50	Not Required	22.80	100.00
	56	5280		11.00		11.00		14.00		20.00		19.50		22.80			
	60	5300		11.00		11.00		14.00		20.00		19.00		22.50			
	64	5320		11.00		11.00		14.00		19.00		18.50		21.80			
802.11ac-VHT40 MCS0	54	5270	Not Required	11.00	Not Required	11.00	Not Required	14.00	20.00	20.00	19.50	19.50	22.80	20.30	100.00		
	62	5310		11.00		11.00		14.00	17.50	17.00	20.30						
802.11ac-VHT80 MCS0	58	5290	10.80	11.00	10.51	11.00	13.66	14.00	17.00	17.00	17.00	17.00	20.00	20.00	98.04		
802.11ac-VHT160 MCS0	50	5250	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required	99.35	
802.11ax-HE20 MCS0	52	5260		11.00		11.00		14.00		20.00		19.50		22.80			
	56	5280		11.00		11.00		14.00		20.00		19.50		22.80			
	60	5300		11.00		11.00		14.00		20.00		19.00		22.50			
	64	5320	11.00	11.00	14.00	19.00	18.50	21.80									
802.11ax-HE40 MCS0	54	5270	Not Required	11.00	Not Required	11.00	Not Required	14.00	20.00	20.00	19.50	19.50	22.80	20.30	100.00		
	62	5310		11.00		11.00		14.00	18.00	17.00	20.50						
802.11ax-HE80 MCS0	58	5290	11.00	11.00	11.00	11.00	14.00	17.00	17.00	17.00	17.00	20.00	98.69				
802.11ax-HE160 MCS0	50	5250	11.00	11.00	11.00	11.00	14.00	15.50	15.50	15.50	15.50	18.50	98.13				



<5.5GHz WLAN>

5.5GHz WLAN				Full Power						Body worn Standalone DBS Extremely Standalone DBS						
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	100	5500	19.31	19.50	19.33	19.50	22.33	22.50	Not Required	14.50	Not Required	14.50	Not Required	17.50		
	116	5580	19.43	19.50	19.25	19.50	22.35	22.50							14.50	17.50
	124	5620	19.37	19.50	19.49	19.50	22.44	22.50							14.50	17.50
	132	5660	19.43	19.50	19.47	19.50	22.46	22.50							14.50	17.50
	140	5700	17.49	17.50	17.75	18.00	20.63	20.80							14.50	17.50
	144	5720	19.23	19.50	19.05	19.50	22.15	22.50							14.50	17.50
802.11n-HT20 MCS0	100	5500	18.47	18.50	18.58	19.00	21.54	21.80	Not Required	14.50	Not Required	14.50	Not Required	17.50		
	116	5580	19.57	20.00	19.72	20.00	22.66	23.00							14.50	17.50
	124	5620	19.68	20.00	19.83	20.00	22.77	23.00							14.50	17.50
	132	5660	19.82	20.00	19.69	20.00	22.77	23.00							14.50	17.50
	140	5700	17.88	18.00	18.24	18.50	21.07	21.30							14.50	17.50
	144	5720	19.92	20.00	19.64	20.00	22.79	23.00							14.50	17.50
802.11n-HT40 MCS0	102	5510	17.34	17.50	17.53	18.00	20.45	20.80	Not Required	14.50	Not Required	14.50	Not Required	17.50		
	110	5550	19.11	19.50	19.71	20.00	22.43	22.80							14.50	17.50
	126	5630	19.21	19.50	19.57	20.00	22.40	22.80							14.50	17.50
	134	5670	19.90	20.00	19.91	20.00	22.92	23.00							14.50	17.50
	142	5710	19.56	20.00	19.35	19.50	22.47	22.80							14.50	17.50
	100	5500	18.48	18.50	18.61	19.00	21.56	21.80							Not Required	14.50
116	5580	19.61	20.00	19.74	20.00	22.69	23.00	14.50	17.50							
124	5620	19.72	20.00	19.86	20.00	22.80	23.00	14.50	17.50							
132	5660	19.85	20.00	19.71	20.00	22.79	23.00	14.50	17.50							
140	5700	17.90	18.00	18.25	18.50	21.09	21.30	14.50	17.50							
144	5720	19.94	20.00	19.66	20.00	22.81	23.00	14.50	17.50							
802.11ac-VHT20 MCS0	102	5510	17.35	17.50	17.55	18.00	20.46	20.80	Not Required	14.50	Not Required	14.50	Not Required	17.50		
	110	5550	19.12	19.50	19.78	20.00	22.47	22.80							14.50	17.50
	126	5630	19.24	19.50	19.61	20.00	22.44	22.80							14.50	17.50
	134	5670	19.94	20.00	19.93	20.00	22.95	23.00							14.50	17.50
	142	5710	19.60	20.00	19.42	19.50	22.52	22.80							14.50	17.50
	106	5530	16.40	16.50	16.36	16.50	19.39	19.50							14.29	14.50
802.11ac-VHT80 MCS0	122	5610	18.30	18.50	18.58	19.00	21.45	21.80	14.79	15.00	15.08	15.50	17.94	18.30		
	138	5690	18.67	19.00	18.89	19.00	21.79	22.00	14.68	15.00	14.81	15.00	17.75	18.00		
802.11ac-VHT160 MCS0	114	5570	15.25	15.50	15.40	15.50	18.33	18.50	Not Required	14.50	Not Required	14.50	Not Required	17.50		
802.11ax-HE20 MCS0	100	5500	18.53	19.00	18.65	19.00	21.60	22.00							14.50	17.50
	116	5580	19.64	20.00	19.77	20.00	22.72	23.00							14.50	17.50
	124	5620	19.73	20.00	19.88	20.00	22.82	23.00							14.50	17.50
	132	5660	19.87	20.00	19.75	20.00	22.82	23.00							14.50	17.50
	140	5700	17.92	18.00	18.29	18.50	21.12	21.30							14.50	17.50
	144	5720	19.97	20.00	19.69	20.00	22.84	23.00	14.50	17.50						
802.11ax-HE40 MCS0	102	5510	17.37	17.50	17.57	18.00	20.48	20.80	Not Required	14.50	Not Required	14.50	Not Required	17.50		
	110	5550	19.15	19.50	19.81	20.00	22.50	22.80							14.50	17.50
	126	5630	19.28	19.50	19.63	20.00	22.47	22.80							14.50	17.50
	134	5670	19.96	20.00	19.97	20.00	22.98	23.00							14.50	17.50
	142	5710	19.62	20.00	19.44	19.50	22.54	22.80							14.50	17.50
	106	5530	16.39	16.50	16.39	16.50	19.40	19.50							Not Required	14.50
802.11ax-HE80 MCS0	122	5610	18.28	18.50	18.63	19.00	21.47	21.80	14.50	17.50						
	138	5690	18.69	19.00	18.95	19.00	21.83	22.00	14.50	17.50						
802.11ax-HE160 MCS0	114	5570	15.33	15.50	15.51	16.00	18.43	18.80	Not Required	14.50	Not Required	14.50	Not Required	17.50		



5.5GHz WLAN				Head Standalone DBS Body worn Standalone Non DBS Extremely Standalone Non DBS						Head Simultaneous Non DBS Body worn Simultaneous Non DBS Extremely Simultaneous Non DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	17.50	Not Required	17.50	Not Required	19.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	116	5580		17.50		17.50		19.50		11.50		11.50		14.50	
	124	5620		17.50		17.50		19.50		11.50		11.50		14.50	
	132	5660		17.50		17.50		19.50		11.50		11.50		14.50	
	140	5700		17.50		17.50		19.50		11.50		11.50		14.50	
	144	5720		17.50		17.50		19.50		11.50		11.50		14.50	
802.11n-HT20 MCS0	100	5500	17.39	17.50	17.12	17.50	20.45	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
	116	5580	17.11	17.50	17.24	17.50	20.31	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
	124	5620	17.15	17.50	17.36	17.50	20.33	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
	132	5660	17.22	17.50	17.22	17.50	20.36	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
	140	5700	17.35	17.50	17.19	17.50	20.43	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
	144	5720	17.41	17.50	17.16	17.50	20.46	20.50	11.50	11.50	11.50	11.50	14.50	14.50	
802.11n-HT40 MCS0	102	5510	17.34	17.50	17.03	17.50	20.44	20.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	110	5550	17.21	17.50	17.45	17.50	20.33	20.50		11.50		11.50		14.50	
	126	5630	17.26	17.50	17.43	17.50	20.35	20.50		11.50		11.50		14.50	
	134	5670	17.35	17.50	17.56	18.00	20.46	20.50		11.50		11.50		14.50	
802.11ac-VHT20 MCS0	100	5500	Not Required	17.50	Not Required	17.50	Not Required	19.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	116	5580		17.50		17.50		19.50		11.50		11.50		14.50	
	124	5620		17.50		17.50		19.50		11.50		11.50		14.50	
	132	5660		17.50		17.50		19.50		11.50		11.50		14.50	
	140	5700		17.50		17.50		19.50		11.50		11.50		14.50	
	144	5720		17.50		17.50		19.50		11.50		11.50		14.50	
802.11ac-VHT40 MCS0	102	5510	Not Required	17.50	Not Required	17.50	Not Required	19.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	110	5550		17.50		17.50		19.50		11.50		11.50		14.50	
	126	5630		17.50		17.50		19.50		11.50		11.50		14.50	
	134	5670		17.50		17.50		19.50		11.50		11.50		14.50	
802.11ac-VHT80 MCS0	106	5530	16.40	16.50	16.36	16.50	19.39	19.50	11.30	11.50	11.39	11.50	14.35	14.50	
	122	5610	17.28	17.50	17.64	18.00	20.42	20.80	11.82	12.00	12.54	13.00	15.20	15.50	
	138	5690	17.12	17.50	17.36	17.50	20.25	20.50	11.69	12.00	12.35	12.50	15.03	15.30	
802.11ac-VHT160 MCS0	114	5570	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
802.11ax-HE20 MCS0	100	5500		17.50		17.50		19.50		11.50		11.50		14.50	
	116	5580		17.50		17.50		19.50		11.50		11.50		14.50	
	124	5620		17.50		17.50		19.50		11.50		11.50		14.50	
	132	5660		17.50		17.50		19.50		11.50		11.50		14.50	
	140	5700		17.50		17.50		19.50		11.50		11.50		14.50	
	144	5720	17.50	17.50	19.50	11.50	11.50	14.50							
802.11ax-HE40 MCS0	102	5510	Not Required	17.50	Not Required	17.50	Not Required	19.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	110	5550		17.50		17.50		19.50		11.50		11.50		14.50	
	126	5630		17.50		17.50		19.50		11.50		11.50		14.50	
	134	5670		17.50		17.50		19.50		11.50		11.50		14.50	
802.11ax-HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	19.50	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	122	5610		17.50		17.50		19.50		11.50		11.50		14.50	
	138	5690		17.50		17.50		19.50		11.50		11.50		14.50	
802.11ax-HE160 MCS0	114	5570	Not Required	15.50	Not Required	16.00	Not Required	18.80	Not Required	11.50	Not Required	11.50	Not Required	14.50	



5.5GHz WLAN				Head Simultaneous DBS Body worn Simultaneous DBS Extremely Simultaneous DBS							
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		Note	
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11a 6Mbps	802.11a 6Mbps	100	5500	Not Required	9.00	Not Required	9.00	Not Required	12.00	98.63
116			5580	9.00		12.00					
124			5620	9.00		12.00					
132			5660	9.00		12.00					
140			5700	9.00		12.00					
144			5720	9.00		12.00					
802.11n-HT20 MCS0		802.11n-HT20 MCS0	100	5500		9.00		9.00		12.00	100.00
			116	5580		9.00		9.00		12.00	
			124	5620		9.00		9.00		12.00	
			132	5660		9.00		9.00		12.00	
			140	5700		9.00		9.00		12.00	
			144	5720		9.00		9.00		12.00	
802.11n-HT40 MCS0	802.11n-HT40 MCS0	102	5510	9.00	9.00	12.00	100.00				
		110	5550	9.00	9.00	12.00					
		126	5630	9.00	9.00	12.00					
		134	5670	9.00	9.00	12.00					
		142	5710	9.00	9.00	12.00					
		100	5500	9.00	9.00	12.00					
802.11ac-VHT20 MCS0	802.11ac-VHT20 MCS0	116	5580	9.00	9.00	12.00	100.00				
		124	5620	9.00	9.00	12.00					
		132	5660	9.00	9.00	12.00					
		140	5700	9.00	9.00	12.00					
		144	5720	9.00	9.00	12.00					
		102	5510	9.00	9.00	12.00					
802.11ac-VHT40 MCS0	802.11ac-VHT40 MCS0	110	5550	9.00	9.00	12.00	100.00				
		126	5630	9.00	9.00	12.00					
		134	5670	9.00	9.00	12.00					
		142	5710	9.00	9.00	12.00					
		106	5530	8.78	9.00	11.85		12.00			
		122	5610	9.32	9.50	10.50		13.00			
138	5690	9.19	9.50	10.00	12.80						
802.11ac-VHT80 MCS0	802.11ac-VHT80 MCS0	114	5570	9.00	9.00	12.00	99.35				
802.11ax-HE20 MCS0	802.11ax-HE20 MCS0	100	5500	9.00	9.00	12.00	100.00				
		116	5580	9.00	9.00	12.00					
		124	5620	9.00	9.00	12.00					
		132	5660	9.00	9.00	12.00					
		140	5700	9.00	9.00	12.00					
		144	5720	9.00	9.00	12.00					
802.11ax-HE40 MCS0	802.11ax-HE40 MCS0	102	5510	9.00	9.00	12.00	100.00				
		110	5550	9.00	9.00	12.00					
		126	5630	9.00	9.00	12.00					
		134	5670	9.00	9.00	12.00					
		142	5710	9.00	9.00	12.00					
		106	5530	9.00	9.00	12.00					
802.11ax-HE80 MCS0	802.11ax-HE80 MCS0	122	5610	9.00	9.00	12.00	98.69				
		138	5690	9.00	9.00	12.00					
		114	5570	9.00	9.00	12.00					
802.11ax-HE160 MCS0	802.11ax-HE160 MCS0	114	5570	9.00	9.00	12.00	98.13				



<5.8GHz WLAN>

5.8GHz WLAN				Full Power Head Standalone Non DBS						Head Standalone DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	18.95	19.00	18.47	18.50	21.73	21.80	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	157	5785	18.53	19.00	18.26	18.50	21.41	21.80		16.50		16.50		19.50	
	165	5825	18.69	19.00	18.60	19.00	21.66	22.00		16.50		16.50		19.50	
802.11n-HT20 MCS0	149	5745	18.76	19.00	18.45	18.50	21.62	21.80	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	157	5785	18.33	18.50	18.11	18.50	21.23	21.50		16.50		16.50		19.50	
	165	5825	18.54	19.00	18.49	18.50	21.53	21.80		16.50		16.50		19.50	
802.11n-HT40 MCS0	151	5755	18.43	18.50	18.04	18.50	21.25	21.50	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	159	5795	18.61	19.00	18.36	18.50	21.50	21.80		16.50		16.50		19.50	
802.11ac-VHT20 MCS0	149	5745	18.82	19.00	18.47	18.50	21.66	21.80	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	157	5785	18.37	18.50	18.18	18.50	21.29	21.50		16.50		16.50		19.50	
	165	5825	18.56	19.00	18.52	19.00	21.55	22.00		16.50		16.50		19.50	
802.11ac-VHT40 MCS0	151	5755	18.49	18.50	18.08	18.50	21.30	21.50	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	159	5795	18.66	19.00	18.41	18.50	21.55	21.80		16.50		16.50		19.50	
802.11ac-VHT80 MCS0	155	5775	18.41	19.00	18.24	19.00	21.33	22.00	16.06	16.50	16.12	16.50	19.10	19.50	
802.11ax-HE20 MCS0	149	5745	18.93	19.00	18.52	19.00	21.74	22.00	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	157	5785	18.42	18.50	18.24	18.50	21.34	21.50		16.50		16.50		19.50	
	165	5825	18.61	19.00	18.60	19.00	21.62	22.00		16.50		16.50		19.50	
802.11ax-HE40 MCS0	151	5755	18.57	19.00	18.13	18.50	21.37	21.80	Not Required	16.50	Not Required	16.50	Not Required	19.50	
	159	5795	18.71	19.00	18.45	18.50	21.59	21.80		16.50		16.50		19.50	
802.11ax-HE80 MCS0	155	5775	18.45	18.50	18.35	18.50	21.41	21.50	16.50	16.50	16.50	16.50	19.50	19.50	

5.8GHz WLAN				Body worn Standalone Non DBS Extremity Standalone Non DBS						Body worn Standalone DBS Extremely Standalone Non DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.45	17.50	17.38	17.50	20.48	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	157	5785	17.15	17.50	17.24	17.50	20.33	20.50		15.00		15.00		18.00	
	165	5825	17.25	17.50	17.21	17.50	20.38	20.50		15.00		15.00		18.00	
802.11n-HT20 MCS0	149	5745	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	157	5785		17.50		17.50		20.50		15.00		15.00		18.00	
	165	5825		17.50		17.50		20.50		15.00		15.00		18.00	
802.11n-HT40 MCS0	151	5755	17.35	17.50	17.06	17.50	20.43	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	159	5795	17.41	17.50	17.11	17.50	20.46	20.50		15.00		15.00		18.00	
802.11ac-VHT20 MCS0	149	5745	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	157	5785		17.50		17.50		20.50		15.00		15.00		18.00	
	165	5825		17.50		17.50		20.50		15.00		15.00		18.00	
802.11ac-VHT40 MCS0	151	5755	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	159	5795		17.50		17.50		20.50		15.00		15.00		18.00	
802.11ac-VHT80 MCS0	155	5775	17.07	17.50	17.15	17.50	20.12	20.50	14.63	15.00	14.66	15.00	17.65	18.00	
802.11ax-HE20 MCS0	149	5745	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	157	5785		17.50		17.50		20.50		15.00		15.00		18.00	
	165	5825		17.50		17.50		20.50		15.00		15.00		18.00	
802.11ax-HE40 MCS0	151	5755	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	15.00	Not Required	15.00	Not Required	18.00	
	159	5795		17.50		17.50		20.50		15.00		15.00		18.00	
802.11ax-HE80 MCS0	155	5775	17.50	17.50	17.50	17.50	20.50	20.50	15.00	15.00	15.00	15.00	18.00	18.00	



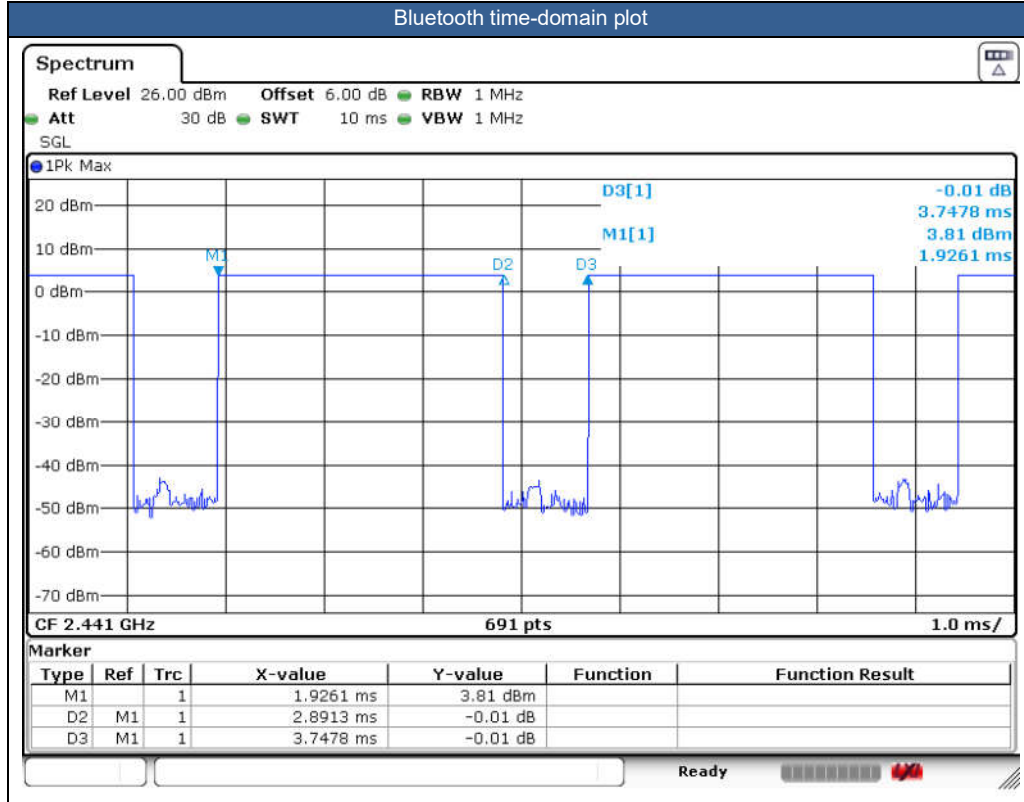
5.8GHz WLAN				Head Simultaneous Non DBS Hotspot Standalone Non DBS Hotspot Standalone DBS Hotspot Simultaneous Non DBS Body worn Simultaneous Non DBS Extremity Simultaneous Non DBS						Head Simultaneous DBS Body worn Simultaneous DBS Hotspot Simultaneous Non DBS Extremity Simultaneous DBS														
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		Note								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %						
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	9.50	Not Required	9.50	Not Required	12.50	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required	98.63							
		157	5785		9.50		9.50		12.50		7.00		7.00		10.00									
		165	5825		9.50		9.50		12.50		7.00		7.00		10.00									
	802.11n-HT20 MCS0	149	5745		9.50		9.50		12.50		7.00		7.00		10.00		100.00							
		157	5785		9.50		9.50		12.50		7.00		7.00		10.00									
		165	5825		9.50		9.50		12.50		7.00		7.00		10.00									
	802.11n-HT40 MCS0	151	5755		9.50		9.50		12.50		7.00		7.00		10.00		100.00							
		159	5795		9.50		9.50		12.50		7.00		7.00		10.00									
	802.11ac-VHT20 MCS0	149	5745		9.50		9.50		12.50		7.00		7.00		10.00		100.00							
		157	5785		9.50		9.50		12.50		7.00		7.00		10.00									
		165	5825		9.50		9.50		12.50		7.00		7.00		10.00									
	802.11ac-VHT40 MCS0	151	5755		9.50		9.50		12.50		7.00		7.00		10.00		100.00							
		159	5795		9.50		9.50		12.50		7.00		7.00		10.00									
	802.11ac-VHT80 MCS0	155	5775		9.06		9.50		9.14		9.50		12.10		12.50		6.55	7.00	6.66	7.00	9.60	10.00	7.00	98.04
	802.11ax-HE20 MCS0	149	5745		Not Required		9.50		Not Required		9.50		Not Required		12.50		Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required	100.00
		157	5785				9.50				9.50				12.50			7.00		7.00		10.00		
		165	5825				9.50				9.50				12.50			7.00		7.00		10.00		
	802.11ax-HE40 MCS0	151	5755		9.50		9.50		12.50		7.00		7.00		10.00		100.00							
159		5795	9.50	9.50	12.50	7.00	7.00	10.00																
802.11ax-HE80 MCS0	155	5775	9.50	9.50	12.50	7.00	7.00	10.00	98.69															



<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 76.86% as following figure, Bluetooth SAR scaling need further consideration and the theoretical duty cycle is 83.3%, therefore the actual duty cycle will be scaled up to the theoretical value of Bluetooth reported SAR calculation



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	3.71	1.06	1.08
	CH 39	2441	3.22	0.69	0.52
	CH 78	2480	3.86	1.33	1.30
Tune-up Limit			4.00	1.50	1.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	3.53
	CH 19	2440	3.18
	CH 39	2480	3.85
Tune-up Limit			4.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	3.53
	CH 19	2440	3.38
	CH 39	2480	3.96
Tune-up Limit			4.00



14. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

15. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For SAR testing of Bluetooth signal with 83.3% theoretical duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle) *83.3%".
 - d. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - e. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - f. For TDD LTE SAR measurement of power class 3, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = Measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
 - g. For TDD LTE SAR measurement of power class 2, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8 W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The device implements receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, hotspot, body-worn, and extremity). This device uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for WLAN/BT antennas accordingly.
5. For WLAN when transmit simultaneous with WWAN, power reduction will be activated to head, hotspot, body-worn and handheld.
6. 5G NR n77 / 78 supports HPUE, HPUE power and SAR testing performed separately.
7. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
8. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power (for handheld on state, the maximum full power means reduced power), including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
 - a. For this device SAR for WWAN/WLAN transmitter scaled to maximum output power mode for product specific 10g SAR is higher than 1.2 W/kg of WCDMA Band V, LTE Band 2/4/7/66/48, 5GNR n2/n7/n25/n38/n41/n77/n48/n66 and WLAN 5.2/5.8GHz therefore product specific 10g SAR is necessary.
 - b. WLAN 5.3/5.5GHz tested the product specific 10g SAR since it has no hotspot mode.
 - c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
9. For WLAN SISO & MIMO(CDD) &TX Beamforming mode of 802.11ax, and WLAN SISO & TX Beamforming mode is not greater than WLAN MIMO(CDD) mode, so WLAN MIMO(CDD) mode SAR covers WLAN SISO &Tx Beamforming mode SAR.
10. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are



individually determined from each transmit chain. Further simplification chose the worse SAR value and the worst scaling factor from each transmit chain perform reported SAR calculation conservatively. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.

11. Although the headset SAR is greater than 0.8 W/kg, the headset SAR verified the worst of the non-headset SAR and less than non-headset SAR, so there is no need to be tested other channels.
12. According to Nov. 2017 TCB workshop, when the reported SAR for UL CA configuration 1g SAR is <1.2 W/kg, UL CA SAR is not required for all required test channels (PCC based).
13. The RF exposure compliance under the extremity exposure condition (separation =0 mm) can cover the scenarios when the device is attaching the trigger handle and the user's hand is at least few millimeters from the device.

WCDMA Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

**LTE Note:**

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE B2/B4/B5/B17/B38 SAR test was covered by B25/B66/B26/B12/B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is \leq the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - c. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. $\pi/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\pi/2$ BPSK /16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - f. For 5G FR1 n5 /n7/n12/n25/n26/n66/n71/n41 /n77 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.



WLAN/Bluetooth Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.
6. For full RU and partial tone size output power measurement, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
7. The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO mode.
8. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO power to perform SAR testing. However, in order to do SISO simultaneous transmission, we tested the WLAN 2.4G SISO antenna 8.
9. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of SISO antennas respectively to calculate sum of the power for MIMO mode.

DSI status description:

The device has the following DSI state which used at different exposure condition.

This WWAN bands enabled with Qualcomm Smart Transmit feature which located at chapter 5. The default power is Pmax power, When Plimit power higher than Pmax power, the output power will be limited at Pmax, and so the SAR will use Pmax power to do the testing.

Exposure Condition	DSI Number
Head SAR	DSI 2
Hotspot Mode SAR	DSI 1
Body worn Mode SAR	DSI 0
Product Specific 10g SAR	DSI 0



15.1 Head SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHZ																						
01	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	23.84	25.00	1.306	-	-	0.04	0.847	1.106
	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	2	23.84	25.00	1.306	-	-	0.06	0.724	0.946
	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	133322	683	1	23.84	25.00	1.306	-	-	-0.02	0.704	0.920
	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Extended	133322	683	1	23.84	25.00	1.306	-	-	0.01	0.696	0.909
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	22.85	24.00	1.303	-	-	0.07	0.598	0.779
	LTE Band 71	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	22.72	24.00	1.343	-	-	0.18	0.579	0.777
	LTE Band 71	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	23.84	25.00	1.306	-	-	-0.1	0.506	0.661
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	22.85	24.00	1.303	-	-	0.05	0.419	0.546
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	23.84	25.00	1.306	-	-	0.08	0.401	0.524
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	22.85	24.00	1.303	-	-	-0.1	0.324	0.422
	LTE Band 71	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	23.84	25.00	1.306	-	-	0.03	0.305	0.398
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	133322	683	1	22.85	24.00	1.303	-	-	0.08	0.251	0.327
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.23	25.00	1.194	-	-	-0.13	0.726	0.867
02	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.09	25.00	1.233	-	-	0.02	0.793	0.978
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	2	24.09	25.00	1.233	-	-	0.01	0.788	0.972
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	136100	680.5	1	24.09	25.00	1.233	-	-	0.06	0.790	0.974
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Extended	136100	680.5	1	24.09	25.00	1.233	-	-	0.01	0.791	0.975
	FR1 n71	20M	QPSK	100	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	23.03	24.00	1.250	-	-	-0.02	0.625	0.781
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.23	25.00	1.194	-	-	0.08	0.489	0.584
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.09	25.00	1.233	-	-	-0.07	0.555	0.684
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.23	25.00	1.194	-	-	-0.15	0.379	0.453
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.09	25.00	1.233	-	-	0.16	0.424	0.523
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.23	25.00	1.194	-	-	0.02	0.283	0.338
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	136100	680.5	1	24.09	25.00	1.233	-	-	-0.02	0.313	0.386
03	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	23.86	25.00	1.300	-	-	0.03	0.833	1.083
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	2	23.86	25.00	1.300	-	-	0.09	0.734	0.954
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	23095	707.5	1	23.86	25.00	1.300	-	-	-0.16	0.714	0.928
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Extended	23095	707.5	1	23.86	25.00	1.300	-	-	0.06	0.723	0.940
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	22.79	24.00	1.321	-	-	0.09	0.596	0.787
	LTE Band 12	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	22.75	24.00	1.334	-	-	0.12	0.593	0.791
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	23.86	25.00	1.300	-	-	0.07	0.527	0.685
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	22.79	24.00	1.321	-	-	0.06	0.426	0.563
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	23.86	25.00	1.300	-	-	0.07	0.410	0.533
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	22.79	24.00	1.321	-	-	0.03	0.333	0.440
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	23.86	25.00	1.300	-	-	-0.04	0.313	0.407
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	23095	707.5	1	22.79	24.00	1.321	-	-	0.04	0.254	0.336
04	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.21	25.00	1.199	-	-	0.03	0.690	0.828
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	2	24.21	25.00	1.199	-	-	0.01	0.686	0.823
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	141500	707.5	1	24.21	25.00	1.199	-	-	0.09	0.666	0.799
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Extended	141500	707.5	1	24.21	25.00	1.199	-	-	0.01	0.672	0.806
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.09	25.00	1.233	-	-	0.06	0.666	0.821
	FR1 n12	15M	QPSK	75	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	23.13	24.00	1.222	-	-	0.09	0.530	0.648
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.21	25.00	1.199	-	-	-0.1	0.469	0.563
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.09	25.00	1.233	-	-	-0.1	0.473	0.583
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.21	25.00	1.199	-	-	-0.16	0.360	0.432
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.09	25.00	1.233	-	-	0.02	0.351	0.433
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.21	25.00	1.199	-	-	-0.1	0.285	0.342
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	141500	707.5	1	24.09	25.00	1.233	-	-	0.09	0.289	0.356
05	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23230	782	1	23.61	25.00	1.377	-	-	0.06	0.885	1.219
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23230	782	2	23.61	25.00	1.377	-	-	0.07	0.801	1.103



FCC SAR Test Report

Report No. : FA311602

Table with columns for LTE/WCDMA bands, modulation, power, and SAR results. Includes sections for 06, 07, 08, and 09 MHz, with various test configurations and results.

**FCC SAR Test Report****Report No. : FA311602**

10	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	23.79	25.00	1.321	-	-	0.01	0.807	1.066
	LTE Band 5B	10M	QPSK	1	49	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	20476+ 20575	831.6+ 841.5	1	23.74	25.00	1.337	-	-	0.02	0.785	1.049
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	2	23.79	25.00	1.321	-	-	0.01	0.510	0.674
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	26865	831.5	1	23.79	25.00	1.321	-	-	-0.02	0.651	0.860
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Extended	26865	831.5	1	23.79	25.00	1.321	-	-	0.01	0.611	0.807
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.77	24.00	1.327	-	-	0.01	0.445	0.591
	LTE Band 26	15M	QPSK	75	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.72	24.00	1.343	-	-	0.01	0.447	0.600
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	23.79	25.00	1.321	-	-	-0.03	0.368	0.486
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.77	24.00	1.327	-	-	0.02	0.302	0.401
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	23.79	25.00	1.321	-	-	0.11	0.626	0.827
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.77	24.00	1.327	-	-	-0.02	0.507	0.673
	LTE Band 26	15M	QPSK	75	0	-	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.72	24.00	1.343	-	-	0.09	0.500	0.671
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	23.79	25.00	1.321	-	-	0.14	0.226	0.299
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	26865	831.5	1	22.77	24.00	1.327	-	-	-0.13	0.397	0.527
11	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	0.08	0.911	1.121
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	2	24.10	25.00	1.230	-	-	0.06	0.871	1.072
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	166300	831.5	1	24.10	25.00	1.230	-	-	0.06	0.846	1.041
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Extended	166300	831.5	1	24.10	25.00	1.230	-	-	0.01	0.863	1.062
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.07	25.00	1.239	-	-	-0.13	0.863	1.069
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	23.07	24.00	1.239	-	-	-0.05	0.709	0.878
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	-0.16	0.647	0.796
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.07	25.00	1.239	-	-	0.09	0.649	0.804
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	23.07	24.00	1.239	-	-	-0.09	0.518	0.642
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	-0.13	0.499	0.614
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.07	25.00	1.239	-	-	0.05	0.477	0.591
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	0.04	0.411	0.506
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.07	25.00	1.239	-	-	-0.09	0.416	0.515
1750MHZ																						
12	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	1413	1732.6	1	24.05	25.00	1.245	-	-	0.11	0.618	0.769
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	1413	1732.6	2	24.05	25.00	1.245	-	-	0.01	0.527	0.656
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	BLE Beacon	1413	1732.6	1	24.05	25.00	1.245	-	-	0.05	0.549	0.683
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Extended	1413	1732.6	1	24.05	25.00	1.245	-	-	0.01	0.556	0.692
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	1312	1712.4	1	23.91	25.00	1.285	-	-	-0.18	0.574	0.738
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	1513	1752.6	1	24.02	25.00	1.253	-	-	-0.11	0.592	0.742
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	1413	1732.6	1	24.05	25.00	1.245	-	-	0.05	0.395	0.492
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	1413	1732.6	1	24.05	25.00	1.245	-	-	0.06	0.345	0.429
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	1413	1732.6	1	24.05	25.00	1.245	-	-	0.07	0.396	0.493
13	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	-0.14	0.568	0.784
	LTE Band 66C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322+ 132520	1745+ 1764.8	1	23.55	25.00	1.396	-	-	-0.07	0.527	0.736
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	2	23.60	25.00	1.380	-	-	-0.03	0.524	0.723
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	BLE Beacon	132322	1745	1	23.60	25.00	1.380	-	-	-0.03	0.456	0.629
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Extended	132322	1745	1	23.60	25.00	1.380	-	-	0.01	0.460	0.635
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132072	1720	1	23.42	25.00	1.439	-	-	-0.1	0.467	0.672
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132572	1770	1	23.47	25.00	1.422	-	-	0.15	0.452	0.643
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.05	0.375	0.513
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.15	0.295	0.407
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.09	0.237	0.324
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.06	0.299	0.413
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.03	0.240	0.328
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.03	0.313	0.432
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	-0.09	0.246	0.336
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	23.48	24.50	1.265	-	-	0.03	0.125	0.158
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	22.52	24.00	1.406	-	-	0.07	0.122	0.172
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	23.48	24.50	1.265	-	-	0.06	0.063	0.080
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	22.52	24.00	1.406	-	-	0.05	0.051	0.072
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	23.48	24.50	1.265	-	-	-0.13	0.137	0.173



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	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	BLE Beacon	132322	1745	1	23.48	24.50	1.265	-	-	-0.07	0.136	0.172
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	Extended	132322	1745	1	23.48	24.50	1.265	-	-	0.02	0.133	0.168
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	132072	1720	1	23.40	24.50	1.288	-	-	-0.01	0.122	0.157
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	132572	1770	1	23.37	24.50	1.297	-	-	-0.06	0.126	0.163
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	22.52	24.00	1.406	-	-	0.18	0.111	0.156
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	23.48	24.50	1.265	-	-	0.11	0.055	0.070
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	132322	1745	1	22.52	24.00	1.406	-	-	0.06	0.050	0.070
14	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.1	0.538	0.653
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	2	24.16	25.00	1.213	-	-	-0.02	0.527	0.639
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 2	DSI 2	BLE Beacon	349000	1745	1	24.16	25.00	1.213	-	-	0.08	0.480	0.582
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 2	DSI 2	Extended	349000	1745	1	24.16	25.00	1.213	-	-	0.06	0.463	0.562
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.05	0.470	0.586
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.01	0.355	0.431
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.07	0.333	0.415
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.01	0.307	0.373
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.09	0.289	0.360
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.02	0.349	0.423
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.04	0.350	0.437
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.35	25.00	1.161	-	-	-0.09	0.142	0.165
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.27	25.00	1.183	-	-	-0.13	0.160	0.189
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.35	25.00	1.161	-	-	0.17	0.058	0.067
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.27	25.00	1.183	-	-	0.1	0.056	0.066
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.35	25.00	1.161	-	-	0.04	0.145	0.168
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.27	25.00	1.183	-	-	-0.01	0.168	0.199
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	BLE Beacon	349000	1745	1	24.27	25.00	1.183	-	-	0.03	0.163	0.193
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	Extended	349000	1745	1	24.27	25.00	1.183	-	-	0.01	0.162	0.192
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.35	25.00	1.161	-	-	0.11	0.059	0.069
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	349000	1745	1	24.27	25.00	1.183	-	-	0.05	0.062	0.073
1900MHZ																						
15	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	-0.15	0.766	0.896
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	9400	1880	2	24.32	25.00	1.169	-	-	-0.02	0.743	0.869
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	BLE Beacon	9400	1880	1	24.32	25.00	1.169	-	-	0.03	0.715	0.836
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Extended	9400	1880	1	24.32	25.00	1.169	-	-	0.01	0.712	0.833
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	9262	1852.4	1	24.19	25.00	1.205	-	-	0.01	0.724	0.872
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	9538	1907.6	1	24.30	25.00	1.175	-	-	0.11	0.711	0.835
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	0.11	0.343	0.401
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	-0.02	0.492	0.575
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	0.03	0.374	0.437
16	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	23.50	25.00	1.413	-	-	0.14	0.564	0.797
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	2	23.50	25.00	1.413	-	-	-0.09	0.502	0.709
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	BLE Beacon	26340	1880	1	23.50	25.00	1.413	-	-	-0.07	0.443	0.626
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Extended	26340	1880	1	23.50	25.00	1.413	-	-	0.01	0.455	0.643
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	26140	1860	1	23.39	25.00	1.449	-	-	-0.1	0.543	0.787
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	26590	1905	1	23.41	25.00	1.442	-	-	0.16	0.545	0.786
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	22.57	24.00	1.390	-	-	0.08	0.424	0.589
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	23.50	25.00	1.413	-	-	0.03	0.232	0.328
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	22.57	24.00	1.390	-	-	0.09	0.192	0.267
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	23.50	25.00	1.413	-	-	-0.11	0.324	0.458
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	22.57	24.00	1.390	-	-	0.08	0.267	0.371
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	23.50	25.00	1.413	-	-	0.18	0.247	0.349
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 2	Standard Battery	26340	1880	1	22.57	24.00	1.390	-	-	0.02	0.203	0.282
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	26340	1880	1	23.83	25.00	1.309	-	-	0.04	0.177	0.232
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	26340	1880	1	22.81	24.00	1.315	-	-	-0.06	0.148	0.195
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	26340	1880	1	23.83	25.00	1.309	-	-	0.08	0.129	0.169
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	26340	1880	1	22.81	24.00	1.315	-	-	0.01	0.121	0.159
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	26340	1880	1	23.83	25.00	1.309	-	-	0.11	0.226	0.296



FCC SAR Test Report

Report No. : FA311602

Table with columns for Band, Power, Modulation, etc. Rows include LTE Band 25, FR1 n25, and LTE Band 7. Includes a sub-section for 2600MHZ.



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Table with columns: Band, Power, Modulation, Frequency, Time, Location, Antenna, Test Method, Standard, Power Density, SAR, etc. Row 21 is highlighted.



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FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	BLE Beacon	518598	2592.99	1	22.43	23.00	1.140	-	-	0.08	0.121	0.138	
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	Extended	518598	2592.99	1	22.43	23.00	1.140	-	-	-0.17	0.076	0.087	
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	Standard Battery	518598	2592.99	1	22.36	23.00	1.159	-	-	-0.1	0.103	0.119	
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	Standard Battery	518598	2592.99	1	22.43	23.00	1.140	-	-	-0.17	0.085	0.097	
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	Standard Battery	518598	2592.99	1	22.36	23.00	1.159	-	-	0.05	0.058	0.067	
3500MHZ																						
LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.66	22.80	1.300	62.9	1.006	0.02	0.385	0.504	
LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.65	22.80	1.303	62.9	1.006	-0.14	0.290	0.380	
LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.66	22.80	1.300	62.9	1.006	-0.03	0.346	0.453	
LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.65	22.80	1.303	62.9	1.006	0.18	0.282	0.370	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.66	22.80	1.300	62.9	1.006	0.07	0.767	1.003	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	55340	3560	1	21.50	22.80	1.349	62.9	1.006	-0.03	0.609	0.826	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56150	3641	1	21.58	22.80	1.324	62.9	1.006	0.08	0.842	1.122	
22	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56640	3690	1	21.55	22.80	1.334	62.9	1.006	-0.07	0.850	1.140
LTE Band 48C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56640+56442	3690+3670.2	1	21.47	22.80	1.358	62.9	1.006	-0.16	0.832	1.137	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56640	3690	2	21.55	22.80	1.334	62.9	1.006	-0.04	0.817	1.096	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	BLE Beacon	56640	3690	1	21.55	22.80	1.334	62.9	1.006	0.01	0.639	0.857	
LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	Extended	56640	3690	1	21.55	22.80	1.334	62.9	1.006	0.03	0.690	0.926	
LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.65	22.80	1.303	62.9	1.006	-0.1	0.617	0.809	
LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	55340	3560	1	21.31	22.80	1.409	62.9	1.006	0.14	0.518	0.734	
LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56150	3641	1	21.35	22.80	1.396	62.9	1.006	0.09	0.689	0.968	
LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	56640	3690	1	21.30	22.80	1.413	62.9	1.006	0.07	0.707	1.005	
LTE Band 48	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.63	22.80	1.309	62.9	1.006	0.05	0.617	0.813	
LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.66	22.80	1.300	62.9	1.006	-0.16	0.620	0.811	
LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	55340	3560	1	21.50	22.80	1.349	62.9	1.006	0.09	0.436	0.592	
LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	56150	3641	1	21.58	22.80	1.324	62.9	1.006	0.04	0.563	0.750	
LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	56640	3690	1	21.55	22.80	1.334	62.9	1.006	-0.06	0.672	0.902	
LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.65	22.80	1.303	62.9	1.006	0.14	0.455	0.596	
LTE Band 48	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	55830	3609	1	21.63	22.80	1.309	62.9	1.006	-0.12	0.450	0.593	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	0.14	0.398	0.502	
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.62	21.70	1.282	-	-	0.06	0.379	0.486	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	0.14	0.352	0.444	
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.62	21.70	1.282	-	-	0.03	0.327	0.419	
23	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	-0.09	0.890	1.123
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	2	20.69	21.70	1.262	-	-	0.01	0.721	0.910	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	BLE Beacon	641666	3624.99	1	20.69	21.70	1.262	-	-	0.06	0.756	0.954	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Extended	641666	3624.99	1	20.69	21.70	1.262	-	-	-0.01	0.815	1.028	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	640000	3600	1	20.63	21.70	1.279	-	-	0.18	0.770	0.985	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	643332	3649.98	1	20.61	21.70	1.285	-	-	0.1	0.755	0.970	
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.62	21.70	1.282	-	-	0.12	0.772	0.990	
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.58	21.70	1.294	-	-	-0.11	0.431	0.558	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	0.02	0.676	0.853	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	640000	3600	1	20.63	21.70	1.279	-	-	0.01	0.612	0.783	
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	643332	3649.98	1	20.61	21.70	1.285	-	-	-0.09	0.606	0.779	
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.62	21.70	1.282	-	-	0.05	0.568	0.728	
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.58	21.70	1.294	-	-	-0.1	0.343	0.444	
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	-0.07	0.465	0.588	
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.93	22.00	1.279	-	-	0.19	0.406	0.519	
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	0.12	0.402	0.508	
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.93	22.00	1.279	-	-	-0.04	0.341	0.436	
24	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	-0.16	0.885	1.119
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	2	20.98	22.00	1.265	-	-	0.06	0.786	0.994	
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	BLE Beacon	656000	3840	1	20.98	22.00	1.265	-	-	0.03	0.857	1.084	
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Extended	656000	3840	1	20.98	22.00	1.265	-	-	0.05	0.815	1.031	
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.93	22.00	1.279	-	-	-0.12	0.707	0.905	
FR1 n77_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.85	22.00	1.303	-	-	-0.15	0.623	0.812	



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FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	0.09	0.686	0.868
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.93	22.00	1.279	-	-	0.09	0.556	0.711
FR1 n77_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.85	22.00	1.303	-	-	0.08	0.455	0.593
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.87	22.00	1.297	-	-	-0.03	0.195	0.253
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.83	22.00	1.309	-	-	0.15	0.246	0.322
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.87	22.00	1.297	-	-	0.08	0.145	0.188
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.83	22.00	1.309	-	-	-0.15	0.196	0.257
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.87	22.00	1.297	-	-	-0.04	0.419	0.544
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.83	22.00	1.309	-	-	-0.15	0.574	0.751
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	2	20.83	22.00	1.309	-	-	0.01	0.533	0.698
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	BLE Beacon	633334	3500.01	1	20.83	22.00	1.309	-	-	0.03	0.472	0.618
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Extended	633334	3500.01	1	20.83	22.00	1.309	-	-	-0.04	0.546	0.715
FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.87	22.00	1.297	-	-	-0.03	0.254	0.329
FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	Standard Battery	633334	3500.01	1	20.83	22.00	1.309	-	-	-0.06	0.333	0.436
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	-0.09	0.060	0.067
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	-0.1	0.066	0.075
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	BLE Beacon	656000	3840	1	22.46	23.00	1.132	-	-	0.06	0.064	0.072
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	Extended	656000	3840	1	22.46	23.00	1.132	-	-	0.01	0.056	0.063
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	0.02	0.000	0.000
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	0.16	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	0.09	0.060	0.067
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	0.11	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	-0.14	0.052	0.058
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	-0.03	0.000	0.000
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	-0.11	0.049	0.059
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.08	0.044	0.054
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	0.06	0.044	0.053
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.02	0.041	0.050
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	-0.13	0.046	0.056
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.13	0.052	0.064
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	BLE Beacon	633334	3500.01	1	22.11	23.00	1.227	-	-	0.06	0.041	0.050
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	Extended	633334	3500.01	1	22.11	23.00	1.227	-	-	0.05	0.041	0.050
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	0.1	0.051	0.062
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.15	0.051	0.063
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.37	21.00	1.156	-	-	-0.06	0.860	0.994
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	2	20.37	21.00	1.156	-	-	-0.03	0.859	0.993
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	656000	3840	1	20.37	21.00	1.156	-	-	0.03	0.841	0.972
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Extended	656000	3840	1	20.37	21.00	1.156	-	-	0.01	0.815	0.942
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.33	21.00	1.167	-	-	0.14	0.713	0.832
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.17	20.50	1.079	-	-	-0.07	0.605	0.653
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.37	21.00	1.156	-	-	0.15	0.523	0.605
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.33	21.00	1.167	-	-	-0.17	0.447	0.522
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.37	21.00	1.156	-	-	0.17	0.345	0.399
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.33	21.00	1.167	-	-	-0.14	0.290	0.338
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.37	21.00	1.156	-	-	0.11	0.302	0.349
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	656000	3840	1	20.33	21.00	1.167	-	-	0.02	0.278	0.324
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.15	21.00	1.531	-	-	0.12	0.550	0.842
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	2	19.15	21.00	1.531	-	-	-0.16	0.536	0.821
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	BLE Beacon	633334	3500.01	1	19.15	21.00	1.531	-	-	-0.02	0.496	0.759
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Extended	633334	3500.01	1	19.15	21.00	1.531	-	-	0.05	0.503	0.770
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.09	21.00	1.552	-	-	0.01	0.430	0.668
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	18.64	20.50	1.535	-	-	0.05	0.371	0.569
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.15	21.00	1.531	-	-	-0.16	0.363	0.556
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.09	21.00	1.552	-	-	0.03	0.276	0.428
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.15	21.00	1.531	-	-	0.15	0.219	0.335
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.09	21.00	1.552	-	-	0.02	0.181	0.281



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FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.15	21.00	1.531	-	-	0.02	0.219	0.335
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	Standard Battery	633334	3500.01	1	19.09	21.00	1.552	-	-	0.05	0.172	0.267
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.02	0.434	0.519
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.01	0.262	0.316
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.04	0.508	0.608
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	2	22.22	23.00	1.197	-	-	0.07	0.228	0.273
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	BLE Beacon	656000	3840	1	22.22	23.00	1.197	-	-	0.01	0.471	0.564
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Extended	656000	3840	1	22.22	23.00	1.197	-	-	0.06	0.453	0.542
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.03	0.315	0.380
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	-0.09	0.432	0.517
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	-0.03	0.268	0.324
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.03	0.507	0.607
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.05	0.309	0.373
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	-0.02	0.546	0.787
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	0.16	0.465	0.678
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	-0.15	0.642	0.926
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	0.18	0.527	0.769
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	20.26	22.00	1.493			0.03	0.475	0.709
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.12	0.593	0.855
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	-0.15	0.510	0.744
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	20.26	22.00	1.493			0.03	0.441	0.658
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.06	0.668	0.963
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	2	21.41	23.00	1.442	-	-	0.01	0.313	0.451
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	BLE Beacon	633334	3500.01	1	21.41	23.00	1.442	-	-	0.01	0.662	0.955
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Extended	633334	3500.01	1	21.41	23.00	1.442	-	-	0.03	0.585	0.844
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	-0.12	0.585	0.853
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	DSI 2	Standard Battery	633334	3500.01	1	20.26	22.00	1.493	-	-	0.01	0.458	0.684



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN&BT																			
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Full power	Standard Battery	11	2462	1	20.95	21.00	1.012	97.93	1.021	0.09	0.177	0.183	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Full power	Standard Battery	11	2462	1	20.95	21.00	1.012	97.93	1.021	0.01	0.042	0.043	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	Standard Battery	11	2462	1	20.95	21.00	1.012	97.93	1.021	0.02	0.353	0.365	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	Standard Battery	11	2462	2	20.95	21.00	1.012	97.93	1.021	0.09	0.264	0.273	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	BLE Beacon	11	2462	1	20.95	21.00	1.012	97.93	1.021	-0.02	0.324	0.335	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	Extended	11	2462	1	20.95	21.00	1.012	97.93	1.021	0.03	0.341	0.352	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	Standard Battery	1	2412	1	20.76	21.00	1.057	97.93	1.021	-0.02	0.275	0.297	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full power	Standard Battery	6	2437	1	20.80	21.00	1.047	97.93	1.021	0.02	0.261	0.279	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Full power	Standard Battery	11	2462	1	20.95	21.00	1.012	97.93	1.021	0.02	0.042	0.043	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.06	0.113	0.121	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	-0.08	0.029	0.031	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.07	0.223	0.238	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.05	0.025	0.027	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.06	0.051	0.054	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.14	0.015	0.016	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.03	0.098	0.104	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.12	0.014	0.015	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	11	2462	1	19.37	19.50	1.030	97.93	1.021	0.11	0.519	0.546	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	11	2462	1	19.37	19.50	1.030	97.93	1.021	0.17	0.558	0.587	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	11	2462	1	19.37	19.50	1.030	97.93	1.021	-0.03	1.110	1.168	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	1	2412	1	18.61	19.00	1.094	97.93	1.021	-0.09	1.041	1.163	
25	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	6	2437	1	18.67	19.00	1.079	97.93	1.021	-0.03	1.210	1.333	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	6	2437	2	18.67	19.00	1.079	97.93	1.021	0.07	0.923	1.017	
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	6	2437	1	18.41	19.00	1.146	98.97	1.010	0.01	1.110	1.284	
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	1	2412	1	19.06	19.50	1.107	98.97	1.010	0.04	1.050	1.174	
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	11	2462	1	17.69	18.00	1.074	98.97	1.010	0.09	1.090	1.182	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	3	2422	1	18.15	18.50	1.084	100.00	1.000	-0.07	1.020	1.106	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	BLE Beacon	6	2437	1	18.67	19.00	1.079	97.93	1.021	0.12	1.120	1.234	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Extended	6	2437	1	18.67	19.00	1.079	97.93	1.021	-0.12	1.100	1.212	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	11	2462	1	19.37	19.50	1.030	97.93	1.021	-0.14	0.754	0.793	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	6	2437	1	16.12	16.50	1.091	97.93	1.021	0.09	0.293	0.327	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	6	2437	1	16.12	16.50	1.091	97.93	1.021	0.01	0.315	0.351	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	6	2437	1	16.12	16.50	1.091	97.93	1.021	0.03	0.701	0.781	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	6	2437	1	16.12	16.50	1.091	97.93	1.021	0.01	0.396	0.441	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	6	2437	1	13.12	13.50	1.091	97.93	1.021	-0.02	0.144	0.160	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	6	2437	1	13.12	13.50	1.091	97.93	1.021	0.05	0.173	0.193	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	6	2437	1	13.12	13.50	1.091	97.93	1.021	0.04	0.372	0.415	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	6	2437	1	13.12	13.50	1.091	97.93	1.021	0.01	0.215	0.240	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	6	2437	1	11.14	11.50	1.086	97.93	1.021	-0.02	0.070	0.078	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	6	2437	1	11.14	11.50	1.086	97.93	1.021	0.05	0.081	0.090	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	6	2437	1	11.14	11.50	1.086	97.93	1.021	0.04	0.188	0.209	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	6	2437	1	11.14	11.50	1.086	97.93	1.021	0.01	0.112	0.124	
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.03	0.016	0.018	
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.04	0.009	0.010	
26	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.01	0.025	0.028	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	Standard Battery	78	2480	2	3.86	4.00	1.033	77.15	1.080	-0.14	0.012	0.013	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	BLE Beacon	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.06	0.018	0.020	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	Extended	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.03	0.016	0.018	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	Standard Battery	0	2402	1	3.71	4.00	1.069	77.15	1.080	0.01	0.021	0.024	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Full power	Standard Battery	39	2441	1	3.22	4.00	1.197	77.15	1.080	0.06	0.015	0.019	
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	-0.15	0.015	0.017	



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Table with columns: Frequency, Power, Location, Antenna, Power Level, Mode, SAR1, SAR2, SAR3, SAR4, SAR5, SAR6, SAR7, SAR8, SAR9, SAR10. Includes rows 27 and 28 with highlighted values 0.745 and 1.258.



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WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	155	5775	1	18.24	19.00	1.192	98.04	1.020	-0.1	0.767	0.932
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	16.06	16.50	1.107	98.04	1.020	0.08	0.318	0.359
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	16.06	16.50	1.107	98.04	1.020	0.01	0.284	0.321
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	16.06	16.50	1.107	98.04	1.020	-0.06	0.700	0.790
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	16.06	16.50	1.107	98.04	1.020	0.02	0.482	0.544
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	-0.06	0.055	0.062
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.01	0.047	0.053
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.01	0.139	0.157
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.03	0.099	0.112
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	-0.02	0.035	0.040
WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.03	0.031	0.035
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.01	0.082	0.093
WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.07	0.059	0.067



15.2 Hotspot SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Battery, Ch., Freq. (MHz), Sample, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows include LTE Band 71, FR1 n71, LTE Band 12, and FR1 n12.



Table with columns for LTE Band, Modulation, Power, Frequency, Location, Antenna, Standard, SAR values, etc. Includes rows for LTE Bands 13, 14 and FR1 n13, n14, and a section for WCDMA V.



FCC SAR Test Report

Report No. : FA311602

Table with columns for test parameters (e.g., WCDMA V, LTE Band 26, FR1 n26) and SAR results (e.g., 0.474, 0.411, 0.692, 0.653, 1.245). Includes a section for 1750MHZ.



	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.99	23.10	1.291	-	-	-0.04	0.097	0.125
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.95	23.10	1.303	-	-	-0.18	0.083	0.108
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.99	23.10	1.291	-	-	-0.04	0.133	0.172
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.95	23.10	1.303	-	-	0.04	0.112	0.146
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.99	23.10	1.291	-	-	0.07	0.720	0.930
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	132072	1720	1	21.87	23.10	1.327	-	-	0.05	0.590	0.783
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	132572	1770	1	21.94	23.10	1.306	-	-	0.03	0.830	1.084
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.95	23.10	1.303	-	-	0.08	0.584	0.761
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	132322	1745	1	21.71	23.10	1.377	-	-	0.04	0.603	0.830
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.06	0.203	0.280
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	-0.15	0.162	0.222
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	-0.02	0.468	0.646
	LTE Band 66C	20M	QPSK	1	99	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132322+132520	1745+1764.8	1	23.55	25.00	1.396	-	-	-0.11	0.457	0.638
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	2	23.60	25.00	1.380	-	-	0.01	0.466	0.643
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	BLE Beacon	132322	1745	1	23.60	25.00	1.380	-	-	-0.04	0.448	0.618
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Extended	132322	1745	1	23.60	25.00	1.380	-	-	-0.08	0.461	0.636
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132072	1720	1	23.42	25.00	1.439	-	-	0.01	0.415	0.597
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132572	1770	1	23.47	25.00	1.422	-	-	0.06	0.422	0.600
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.08	0.338	0.462
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.04	0.418	0.577
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.04	0.337	0.461
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	-0.11	0.053	0.073
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	-0.09	0.044	0.060
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	23.60	25.00	1.380	-	-	0.01	0.196	0.271
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	DSI 1	Standard Battery	132322	1745	1	22.64	24.00	1.368	-	-	0.06	0.162	0.222
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.39	24.60	1.321	-	-	-0.04	0.508	0.671
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.35	24.60	1.334	-	-	0.05	0.589	0.785
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.39	24.60	1.321	-	-	0.18	0.879	1.161
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.35	24.60	1.334	-	-	-0.16	0.888	1.184
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.31	24.00	1.172	-	-	-0.18	0.792	0.928
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.39	24.60	1.321	-	-	0.02	0.115	0.152
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.35	24.60	1.334	-	-	0.02	0.149	0.199
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.39	24.60	1.321	-	-	0.03	0.118	0.156
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.35	24.60	1.334	-	-	0.15	0.197	0.263
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.39	24.60	1.321	-	-	-0.1	0.648	0.856
43	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.35	24.60	1.334	-	-	0.05	0.938	1.251
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI 1	BLE Beacon	349000	1745	1	23.35	24.60	1.334	-	-	0.06	0.871	1.161
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI 1	Extended	349000	1745	1	23.35	24.60	1.334	-	-	0.08	0.925	1.234
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	349000	1745	1	23.31	24.00	1.172	-	-	-0.04	0.623	0.730
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.07	0.244	0.296
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	-0.08	0.235	0.293
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	-0.02	0.495	0.601
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	2	24.16	25.00	1.213	-	-	0.07	0.487	0.591
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	BLE Beacon	349000	1745	1	24.16	25.00	1.213	-	-	-0.04	0.485	0.588
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Extended	349000	1745	1	24.16	25.00	1.213	-	-	0.14	0.486	0.590
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.09	0.476	0.594
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.02	0.375	0.455
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.18	0.361	0.450
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	-0.13	0.053	0.064
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	-0.12	0.048	0.060
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.16	25.00	1.213	-	-	0.04	0.115	0.140
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	349000	1745	1	24.04	25.00	1.247	-	-	0.08	0.155	0.193
1900MHZ																						
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	DSI 1	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	0.15	0.215	0.251
44	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	DSI 1	Standard Battery	9400	1880	1	24.32	25.00	1.169	-	-	-0.19	0.705	0.824
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	DSI 1	Standard Battery	9400	1880	2	24.32	25.00	1.169	-	-	0.09	0.606	0.709
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	DSI 1	BLE Beacon	9400	1880	1	24.32	25.00	1.169	-	-	-0.03	0.537	0.628



FCC SAR Test Report

Report No. : FA311602

Table with columns for test parameters (Modulation, Power, etc.) and SAR results (Max, Avg, etc.). Includes rows for WCDMA II and LTE Band 25 tests.



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FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.14	25.00	1.219	-	-	-0.05	0.170	0.207	
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.01	25.00	1.256	-	-	0.01	0.163	0.205	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.14	25.00	1.219	-	-	0.02	0.449	0.547	
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.01	25.00	1.256	-	-	0.05	0.487	0.612	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.14	25.00	1.219	-	-	0.02	0.511	0.623	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	2	24.14	25.00	1.219	-	-	0.08	0.676	0.824	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	BLE Beacon	376500	1882.5	1	24.14	25.00	1.219	-	-	0.16	0.488	0.595	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Extended	376500	1882.5	1	24.14	25.00	1.219	-	-	0.03	0.423	0.516	
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.01	25.00	1.256	-	-	0.11	0.462	0.580	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.14	25.00	1.219	-	-	-0.18	0.053	0.065	
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.01	25.00	1.256	-	-	0.15	0.065	0.082	
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.14	25.00	1.219	-	-	0.16	0.178	0.217	
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	376500	1882.5	1	24.01	25.00	1.256	-	-	0.03	0.154	0.193	
2600MHZ																						
LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.88	22.60	1.180	-	-	0.06	0.094	0.111	
LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.60	22.60	1.259	-	-	-0.15	0.077	0.097	
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.88	22.60	1.180	-	-	0.09	0.788	0.930	
47	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	20850	2510	1	21.67	22.60	1.239	-	-	-0.06	0.906	1.122
LTE Band 7C	20M	QPSK	1	99	-	Back	10mm	Ant 2	DSI 1	Standard Battery	20850+21048	2510+2529.8	1	21.54	22.60	1.276	-	-	-0.05	0.872	1.113	
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	20850	2510	2	21.67	22.60	1.239	-	-	0.01	0.902	1.117	
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	BLE Beacon	20850	2510	1	21.67	22.60	1.239	-	-	0.13	0.810	1.003	
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Extended	20850	2510	1	21.67	22.60	1.239	-	-	0.08	0.881	1.091	
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	21350	2560	1	21.65	22.60	1.245	-	-	-0.01	0.670	0.834	
LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.60	22.60	1.259	-	-	0.1	0.639	0.804	
LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	20850	2510	1	21.48	22.60	1.294	-	-	-0.14	0.745	0.964	
LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	21350	2560	1	21.57	22.60	1.268	-	-	0.16	0.550	0.697	
LTE Band 7	20M	QPSK	100	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.59	22.60	1.262	-	-	0.02	0.639	0.806	
LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.88	22.60	1.180	-	-	0.02	0.518	0.611	
LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.60	22.60	1.259	-	-	0.03	0.415	0.522	
LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.88	22.60	1.180	-	-	0.1	0.001	0.001	
LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.60	22.60	1.259	-	-	-0.15	0.001	0.001	
LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.88	22.60	1.180	-	-	-0.17	0.056	0.066	
LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	DSI 1	Standard Battery	21100	2535	1	21.60	22.60	1.259	-	-	-0.05	0.047	0.059	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.56	22.90	1.361	-	-	0.01	0.106	0.144	
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.51	22.90	1.377	-	-	0.02	0.073	0.101	
48	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.56	22.90	1.361	-	-	-0.05	0.825	1.123
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	2	21.56	22.90	1.361	-	-	0.03	0.581	0.791	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	BLE Beacon	507000	2535	1	21.56	22.90	1.361	-	-	-0.12	0.800	1.089	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Extended	507000	2535	1	21.56	22.90	1.361	-	-	0.18	0.721	0.982	
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.51	22.90	1.377	-	-	-0.16	0.667	0.919	
FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.43	22.90	1.403	-	-	-0.06	0.591	0.829	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.56	22.90	1.361	-	-	0.06	0.570	0.776	
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.51	22.90	1.377	-	-	0.05	0.456	0.628	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.56	22.90	1.361	-	-	0.1	0.001	0.001	
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.51	22.90	1.377	-	-	-0.16	0.001	0.001	
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.56	22.90	1.361	-	-	0.12	0.074	0.101	
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 2	DSI 1	Standard Battery	507000	2535	1	21.51	22.90	1.377	-	-	-0.07	0.045	0.062	
LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	23.93	25.00	1.279	62.9	1.006	-0.08	0.104	0.134	
LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	22.99	24.00	1.262	62.9	1.006	-0.09	0.089	0.113	
49	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	23.93	25.00	1.279	62.9	1.006	-0.17	0.554	0.713
LTE Band 41C	20M	QPSK	1	99	-	Back	10mm	Ant 2	DSI 1	Standard Battery	40620+40818	2593+2612.8	1	23.37	25.00	1.455	62.9	1.006	-0.05	0.482	0.706	
LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	2	23.93	25.00	1.279	62.9	1.006	0.02	0.503	0.647	
LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	BLE Beacon	40620	2593	1	23.93	25.00	1.279	62.9	1.006	0.12	0.527	0.678	
LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 1	Extended	40620	2593	1	23.93	25.00	1.279	62.9	1.006	0.01	0.538	0.692	
LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	22.99	24.00	1.262	62.9	1.006	0.09	0.461	0.585	
LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	23.93	25.00	1.279	62.9	1.006	-0.1	0.424	0.546	
LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	DSI 1	Standard Battery	40620	2593	1	22.99	24.00	1.262	62.9	1.006	-0.12	0.356	0.452	



FCC SAR Test Report

Report No. : FA311602

Table with columns for LTE Band, Power, Modulation, Frequency, etc. Row 50 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA311602

	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 4	DSI 1	Standard Battery	518598	2592.99	1	22.36	23.00	1.159	-	-	-0.06	0.018	0.021
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 4	DSI 1	Standard Battery	518598	2592.99	1	22.43	23.00	1.140	-	-	0.18	0.058	0.066
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 4	DSI 1	Standard Battery	518598	2592.99	1	22.36	23.00	1.159	-	-	0.08	0.101	0.117
3500MHZ																						
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.78	21.90	1.294	62.9	1.006	-0.13	0.178	0.232
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.65	21.90	1.334	62.9	1.006	-0.09	0.136	0.182
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.78	21.90	1.294	62.9	1.006	-0.13	0.711	0.926
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	55340	3560	1	20.56	21.90	1.361	62.9	1.006	0.06	0.705	0.966
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	56150	3641	1	20.59	21.90	1.352	62.9	1.006	0.07	0.687	0.934
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	56640	3690	1	20.59	21.90	1.352	62.9	1.006	-0.13	0.598	0.813
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.65	21.90	1.334	62.9	1.006	-0.06	0.586	0.786
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	55340	3560	1	20.23	21.90	1.469	62.9	1.006	0.04	0.578	0.854
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	56150	3641	1	20.36	21.90	1.426	62.9	1.006	-0.07	0.573	0.822
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	56640	3690	1	20.29	21.90	1.449	62.9	1.006	0.08	0.495	0.721
	LTE Band 48	20M	QPSK	100	0	-	Back	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.59	21.90	1.352	62.9	1.006	0.03	0.581	0.790
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.78	21.90	1.294	62.9	1.006	-0.06	0.022	0.029
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.65	21.90	1.334	62.9	1.006	0.15	0.024	0.032
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.78	21.90	1.294	62.9	1.006	-0.03	0.772	1.005
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	55340	3560	1	20.56	21.90	1.361	62.9	1.006	-0.04	0.754	1.033
51	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56150	3641	1	20.59	21.90	1.352	62.9	1.006	0.09	0.832	1.132
	LTE Band 48C	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56640+56442	3641+3621.2	1	20.37	21.90	1.422	62.9	1.006	0.08	0.790	1.130
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56150	3641	2	20.59	21.90	1.352	62.9	1.006	0.02	0.815	1.109
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	BLE Beacon	56150	3641	1	20.59	21.90	1.352	62.9	1.006	-0.06	0.826	1.124
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Extended	56150	3641	1	20.59	21.90	1.352	62.9	1.006	0.06	0.814	1.107
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56640	3690	1	20.59	21.90	1.352	62.9	1.006	-0.16	0.772	1.050
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.65	21.90	1.334	62.9	1.006	0.16	0.657	0.881
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	55340	3560	1	20.23	21.90	1.469	62.9	1.006	0.03	0.639	0.944
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56150	3641	1	20.36	21.90	1.426	62.9	1.006	0.09	0.693	0.994
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	56640	3690	1	20.29	21.90	1.449	62.9	1.006	0.02	0.639	0.931
	LTE Band 48	20M	QPSK	100	0	-	Right Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.59	21.90	1.352	62.9	1.006	0.07	0.657	0.894
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.78	21.90	1.294	62.9	1.006	0.15	0.175	0.228
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 1	Standard Battery	55830	3609	1	20.65	21.90	1.334	62.9	1.006	-0.04	0.147	0.197
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.09	20.20	1.291	-	-	0.02	0.157	0.203
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.05	20.20	1.303	-	-	-0.14	0.164	0.214
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.09	20.20	1.291	-	-	0.07	0.631	0.815
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	640000	3600	1	19.05	20.20	1.303	-	-	-0.08	0.742	0.967
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	643332	3649.98	1	19.02	20.20	1.312	-	-	-0.1	0.688	0.903
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.05	20.20	1.303	-	-	-0.02	0.724	0.943
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	640000	3600	1	18.99	20.20	1.321	-	-	0.04	0.730	0.965
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	643332	3649.98	1	18.90	20.20	1.349	-	-	-0.12	0.640	0.863
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	18.92	20.20	1.343	-	-	0.18	0.598	0.803
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.09	20.20	1.291	-	-	-0.03	0.014	0.018
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.05	20.20	1.303	-	-	0.06	0.010	0.013
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.09	20.20	1.291	-	-	0.02	0.742	0.958
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	640000	3600	1	19.05	20.20	1.303	-	-	-0.08	0.727	0.947
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	643332	3649.98	1	19.02	20.20	1.312	-	-	-0.13	0.742	0.974
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.05	20.20	1.303	-	-	0.13	0.836	1.089
52	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	640000	3600	1	18.99	20.20	1.321	-	-	-0.09	0.845	1.116
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	640000	3600	2	18.99	20.20	1.321	-	-	0.06	0.829	1.095
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	BLE Beacon	640000	3600	1	18.99	20.20	1.321	-	-	0.05	0.727	0.961
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Extended	640000	3600	1	18.99	20.20	1.321	-	-	0.13	0.736	0.972
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	643332	3649.98	1	18.90	20.20	1.349	-	-	0.18	0.812	1.095
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	18.92	20.20	1.343	-	-	0.09	0.607	0.815
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.09	20.20	1.291	-	-	-0.06	0.122	0.158
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 1	Standard Battery	641666	3624.99	1	19.05	20.20	1.303	-	-	-0.04	0.174	0.227
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	Standard Battery	656000	3840	1	19.44	20.40	1.247	-	-	0.04	0.135	0.168



FCC SAR Test Report

Report No. : FA311602

Table with columns: FR1 n77_HPUE, 100M, QPSK, 1, 1, DFT-SCS-30KHz, Back, 10mm, Ant 5, DSI 1, Standard Battery, 656000, 3840, 1, 19.44, 20.40, 1.247, -, -, -0.11, 0.597, 0.745. Includes a highlighted row with value 1.130.



FCC SAR Test Report

Report No. : FA311602

FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.23	21.50	1.064	-	-	-0.1	0.308	0.328
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.15	21.50	1.084	-	-	-0.05	0.404	0.438
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.23	21.50	1.064	-	-	-0.13	0.067	0.071
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.15	21.50	1.084	-	-	0.02	0.072	0.078
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.23	21.50	1.064	-	-	0.09	0.452	0.481
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	1	21.15	21.50	1.084	-	-	0.04	0.454	0.492
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Standard Battery	656000	3840	2	21.15	21.50	1.084	-	-	0.09	0.453	0.491
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	BLE Beacon	656000	3840	1	21.15	21.50	1.084	-	-	-0.19	0.439	0.476
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Extended	656000	3840	1	21.15	21.50	1.084	-	-	0.09	0.414	0.449
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.76	21.50	1.493	-	-	0.02	0.210	0.313
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.71	21.50	1.510	-	-	0.02	0.157	0.237
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.76	21.50	1.493	-	-	0.15	0.396	0.591
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	2	19.76	21.50	1.493	-	-	0.02	0.369	0.551
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	BLE Beacon	633334	3500.01	1	19.76	21.50	1.493	-	-	0.08	0.369	0.551
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Extended	633334	3500.01	1	19.76	21.50	1.493	-	-	-0.1	0.381	0.569
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.71	21.50	1.510	-	-	-0.18	0.262	0.396
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.76	21.50	1.493	-	-	-0.06	0.302	0.451
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.71	21.50	1.510	-	-	0.04	0.191	0.288
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.76	21.50	1.493	-	-	0.04	0.041	0.061
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.71	21.50	1.510	-	-	0.01	0.036	0.054
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.76	21.50	1.493	-	-	0.05	0.324	0.484
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 0	DSI 1	Standard Battery	633334	3500.01	1	19.71	21.50	1.510	-	-	-0.02	0.229	0.346
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.05	0.123	0.147
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	-0.14	0.081	0.098
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.04	0.511	0.612
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.06	0.326	0.394
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.06	0.088	0.105
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	-0.15	0.052	0.063
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	0.03	0.055	0.066
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.06	0.052	0.063
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.22	23.00	1.197	-	-	-0.17	0.804	0.962
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	2	22.22	23.00	1.197	-	-	0.09	0.437	0.523
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	BLE Beacon	656000	3840	1	22.22	23.00	1.197	-	-	0.08	0.744	0.890
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Extended	656000	3840	1	22.22	23.00	1.197	-	-	0.09	0.712	0.852
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	22.18	23.00	1.208	-	-	0.06	0.446	0.539
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	656000	3840	1	21.17	22.00	1.211	-	-	-0.1	0.457	0.553
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.18	0.114	0.164
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	0.06	0.099	0.144
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.03	0.537	0.774
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	-0.01	0.389	0.567
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.05	0.143	0.206
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	0.15	0.104	0.152
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	-0.03	0.061	0.088
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	0.03	0.068	0.099
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.41	23.00	1.442	-	-	0.06	0.598	0.862
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	2	21.41	23.00	1.442	-	-	0.09	0.333	0.480
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	BLE Beacon	633334	3500.01	1	21.41	23.00	1.442	-	-	-0.1	0.498	0.718
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Extended	633334	3500.01	1	21.41	23.00	1.442	-	-	0.06	0.420	0.606
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	21.36	23.00	1.459	-	-	-0.15	0.455	0.664
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 1	Standard Battery	633334	3500.01	1	20.26	22.00	1.493	-	-	0.04	0.467	0.697



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN&BT																			
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.07	0.079	0.084	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.06	0.303	0.324	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	-0.07	0.033	0.035	
54	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	-0.18	0.388	0.415	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	1	2412	1	18.66	19.00	1.081	97.93	1.021	0.03	0.322	0.356	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	6	2437	1	18.72	19.00	1.067	97.93	1.021	0.02	0.315	0.343	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	2	18.80	19.00	1.047	97.93	1.021	0.03	0.321	0.343	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	BLE Beacon	11	2462	1	18.80	19.00	1.047	97.93	1.021	-0.19	0.385	0.412	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Extended	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.08	0.371	0.397	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 8	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	18.80	19.00	1.047	97.93	1.021	0.12	0.033	0.035	
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.09	0.038	0.040	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.01	0.136	0.144	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.06	0.016	0.017	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.01	0.178	0.189	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 8	Simultaneous DBS	Standard Battery	11	2462	1	15.33	15.50	1.040	97.93	1.021	0.09	0.016	0.017	
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	13.24	13.50	1.062	97.93	1.021	-0.12	0.054	0.059	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	13.24	13.50	1.062	97.93	1.021	-0.13	0.080	0.087	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	13.24	13.50	1.062	97.93	1.021	0.19	0.016	0.017	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	13.24	13.50	1.062	97.93	1.021	0.02	0.105	0.114	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	1	2412	1	13.13	13.50	1.089	97.93	1.021	0.01	0.092	0.102	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	6	2437	1	13.12	13.50	1.091	97.93	1.021	0.03	0.073	0.081	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	2	13.24	13.50	1.062	97.93	1.021	0.02	0.101	0.109	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	BLE Beacon	11	2462	1	13.24	13.50	1.062	97.93	1.021	0.06	0.102	0.111	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Extended	11	2462	1	13.24	13.50	1.062	97.93	1.021	0.06	0.095	0.103	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	11	2462	1	13.24	13.50	1.062	97.93	1.021	0.17	0.070	0.076	
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	11	2462	1	11.30	11.50	1.047	97.93	1.021	0.06	0.036	0.038	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	11	2462	1	11.30	11.50	1.047	97.93	1.021	0.01	0.052	0.056	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	11	2462	1	11.30	11.50	1.047	97.93	1.021	0.06	0.011	0.012	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	11	2462	1	11.30	11.50	1.047	97.93	1.021	0.02	0.068	0.073	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	11	2462	1	11.30	11.50	1.047	97.93	1.021	0.06	0.046	0.049	
	Bluetooth	1Mbps	Front	10mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.02	0.001	0.001	
	Bluetooth	1Mbps	Back	10mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.07	0.001	0.001	
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	-0.01	0.001	0.001	
55	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	-0.01	0.006	0.007	
	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	Standard Battery	0	2402	1	3.71	4.00	1.069	77.15	1.080	0.06	0.003	0.003	
	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	Standard Battery	39	2441	1	3.22	4.00	1.197	77.15	1.080	0.01	0.002	0.003	



	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	Standard Battery	78	2480	2	3.86	4.00	1.033	77.15	1.080	0.09	0.005	0.006
	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	BLE Beacon	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.03	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Full power	Extended	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.06	0.003	0.003
	Bluetooth	1Mbps	Top Side	10mm	Ant 7	Full power	Standard Battery	78	2480	1	3.86	4.00	1.033	77.15	1.080	0.02	0.001	0.001
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.13	0.058	0.064
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.09	0.236	0.261
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.16	0.017	0.019
56	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	-0.16	0.384	0.425
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	2	12.65	13.00	1.084	98.04	1.020	0.06	0.288	0.318
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	BLE Beacon	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.04	0.242	0.268
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Extended	42	5210	1	12.65	13.00	1.084	98.04	1.020	-0.07	0.238	0.263
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	-0.08	0.166	0.184
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.06	0.036	0.040
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.02	0.155	0.171
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	-0.17	0.012	0.013
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.08	0.178	0.197
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.05	0.112	0.124
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.05	0.058	0.065
57	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.09	0.388	0.438
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	2	9.06	9.50	1.107	98.04	1.020	0.07	0.271	0.306
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	BLE Beacon	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.09	0.275	0.310
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Extended	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.04	0.271	0.306
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.07	0.017	0.019
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	-0.16	0.379	0.428
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 7+8(7)	Standalone Non DBS&DBS Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	-0.14	0.165	0.186
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	-0.03	0.035	0.040
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.06	0.175	0.198
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.07	0.011	0.013
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.15	0.207	0.234
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.16	0.115	0.130



15.3 Body Worn Accessory SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Battery, Ch., Freq. (MHz), Sample Accessory, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes sub-sections for 750MHZ and various test configurations for LTE and FR1 bands.



FCC SAR Test Report

Report No. : FA311602

	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	156400	782	1	Soft Holster	24.09	25.00	1.233	-	-	0.1	0.189	0.233
	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	156400	782	1	Soft Holster	24.09	25.00	1.233	-	-	-0.16	0.191	0.236
	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	BLE Beacon	156400	782	1		24.09	25.00	1.233	-	-	0.08	0.222	0.274
	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Extended	156400	782	1	-	24.09	25.00	1.233	-	-	0.14	0.208	0.256
64	LTE Band 14	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 0	Standard Battery	23330	793	1	-	23.66	25.00	1.361	-	-	-0.04	0.241	0.328
	LTE Band 14	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 0	Standard Battery	23330	793	2	-	23.66	25.00	1.361	-	-	0.09	0.183	0.249
	LTE Band 14	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 0	Standard Battery	23330	793	1	-	22.68	24.00	1.355	-	-	-0.08	0.204	0.276
	LTE Band 14	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 0	Standard Battery	23330	793	1	-	23.66	25.00	1.361	-	-	0.01	0.228	0.310
	LTE Band 14	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 0	Standard Battery	23330	793	1	-	22.68	24.00	1.355	-	-	0.09	0.187	0.253
	LTE Band 14	10M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 0	Standard Battery	23330	793	1	Soft Holster	23.66	25.00	1.361	-	-	-0.07	0.227	0.309
	LTE Band 14	10M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 0	Standard Battery	23330	793	1	Soft Holster	23.66	25.00	1.361	-	-	-0.07	0.233	0.317
	LTE Band 14	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 0	BLE Beacon	23330	793	1	-	23.66	25.00	1.361	-	-	-0.16	0.224	0.305
	LTE Band 14	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 0	Extended	23330	793	1	-	23.66	25.00	1.361	-	-	0.03	0.227	0.309
65	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	158600	793	1	-	24.12	25.00	1.225	-	-	-0.09	0.237	0.290
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	158600	793	2	-	24.12	25.00	1.225	-	-	0.02	0.188	0.230
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	158600	793	1	-	24.02	25.00	1.253	-	-	0.04	0.199	0.249
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	158600	793	1	-	24.12	25.00	1.225	-	-	0.03	0.190	0.233
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	158600	793	1	-	24.02	25.00	1.253	-	-	0.05	0.174	0.218
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	158600	793	1	Soft Holster	24.12	25.00	1.225	-	-	0.09	0.209	0.256
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	158600	793	1	Soft Holster	24.12	25.00	1.225	-	-	0.05	0.212	0.260
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	BLE Beacon	158600	793	1	-	24.12	25.00	1.225	-	-	0.19	0.221	0.271
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Extended	158600	793	1	-	24.12	25.00	1.225	-	-	0.05	0.214	0.262
835MHZ																							
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI 0	Standard Battery	4182	836.4	1	-	24.06	25.00	1.242	-	-	-0.17	0.184	0.228
66	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	Standard Battery	4182	836.4	1	-	24.06	25.00	1.242	-	-	-0.11	0.197	0.245
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	Standard Battery	4182	836.4	2	-	24.06	25.00	1.242	-	-	0.03	0.187	0.232
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	Standard Battery	4132	826.4	1	-	23.93	25.00	1.279	-	-	0.01	0.172	0.220
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	Standard Battery	4233	846.6	1	-	24.01	25.00	1.256	-	-	0.06	0.166	0.209
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 0	Standard Battery	4182	836.4	1	Soft Holster	24.06	25.00	1.242	-	-	0.02	0.165	0.205
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 0	Standard Battery	4182	836.4	1	Soft Holster	24.06	25.00	1.242	-	-	0.02	0.188	0.233
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	BLE Beacon	4182	836.4	1	-	24.06	25.00	1.242	-	-	0.07	0.191	0.237
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 0	Extended	4182	836.4	1	-	24.06	25.00	1.242	-	-	0.08	0.187	0.232
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	-	23.79	25.00	1.321	-	-	0.08	0.182	0.240
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	-	22.77	24.00	1.327	-	-	0.04	0.146	0.194
67	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	-	23.79	25.00	1.321	-	-	-0.01	0.201	0.266
	LTE Band 5B	10M	QPSK	1	49	-	Back	15mm	Ant 0	DSI 0	Standard Battery	20476+20575	831.6+841.5	1	-	23.74	25.00	1.337	-	-	0.08	0.198	0.265
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 0	Standard Battery	26865	831.5	2	-	23.79	25.00	1.321	-	-	0.01	0.186	0.246
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	-	22.77	24.00	1.327	-	-	0.05	0.160	0.212
	LTE Band 26	15M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	Soft Holster	23.79	25.00	1.321	-	-	-0.11	0.133	0.176
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 0	Standard Battery	26865	831.5	1	Soft Holster	23.79	25.00	1.321	-	-	0.09	0.161	0.213
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 0	BLE Beacon	26865	831.5	1	-	23.79	25.00	1.321	-	-	0.08	0.107	0.141
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 0	Extended	26865	831.5	1	-	23.79	25.00	1.321	-	-	0.06	0.106	0.140
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	-	24.10	25.00	1.230	-	-	-0.16	0.150	0.185
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	-	24.07	25.00	1.239	-	-	0.08	0.161	0.199
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	-	24.10	25.00	1.230	-	-	0.06	0.172	0.212
68	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	-	24.07	25.00	1.239	-	-	0.09	0.203	0.251
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	166300	831.5	2	-	24.07	25.00	1.239	-	-	0.01	0.178	0.221
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	Soft Holster	24.07	25.00	1.239	-	-	-0.08	0.083	0.103
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	166300	831.5	1	Soft Holster	24.07	25.00	1.239	-	-	0.08	0.165	0.204
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	BLE Beacon	166300	831.5	1	-	24.07	25.00	1.239	-	-	-0.11	0.162	0.201
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 0	Extended	166300	831.5	1	-	24.07	25.00	1.239	-	-	0.07	0.165	0.204
1750MHZ																							
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	DSI 0	Standard Battery	1413	1732.6	1	-	24.05	25.00	1.245	-	-	0.08	0.192	0.239
69	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	1413	1732.6	1	-	24.05	25.00	1.245	-	-	-0.13	0.349	0.434
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	1312	1712.4	2	-	23.91	25.00	1.285	-	-	0.02	0.331	0.425
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	DSI 0	Standard Battery	1413	1732.6	1	Soft Holster	24.05	25.00	1.245	-	-	-0.09	0.172	0.214



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI 0	Standard Battery	1413	1732.6	1	Soft Holster	24.05	25.00	1.245	-	-	0.05	0.306	0.381
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	BLE Beacon	1413	1732.6	1	-	24.05	25.00	1.245	-	-	0.02	0.317	0.395
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Extended	1413	1732.6	1	-	24.05	25.00	1.245	-	-	0.05	0.313	0.390
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	-	23.48	24.50	1.265	-	-	-0.09	0.290	0.367
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	-	22.52	23.50	1.253	-	-	0.03	0.242	0.303
70	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	-	23.48	24.50	1.265	-	-	-0.07	0.631	0.798
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	132072	1720	1	-	23.40	24.50	1.288	-	-	0.03	0.559	0.720
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	132572	1770	1	-	23.37	24.50	1.297	-	-	0.01	0.581	0.754
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	-	22.52	23.50	1.253	-	-	0.1	0.389	0.487
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	Soft Holster	23.48	24.50	1.265	-	-	-0.16	0.294	0.372
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 0	Standard Battery	132322	1745	1	Soft Holster	23.48	24.50	1.265	-	-	-0.07	0.623	0.788
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	BLE Beacon	132322	1745	1	-	23.48	24.50	1.265	-	-	0.01	0.496	0.627
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Extended	132322	1745	1	-	23.48	24.50	1.265	-	-	0.05	0.425	0.538
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	-	23.60	25.00	1.380	-	-	-0.15	0.185	0.255
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	-	22.64	24.00	1.368	-	-	-0.14	0.151	0.207
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	-	23.60	25.00	1.380	-	-	-0.02	0.438	0.605
	LTE Band 66C	20M	QPSK	1	99	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132322+132520	1745+1764.8	1	-	23.55	25.00	1.396	-	-	-0.01	0.425	0.593
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132322	1745	2	-	23.60	25.00	1.380	-	-	-0.06	0.310	0.428
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132072	1720	1	-	23.42	25.00	1.439	-	-	0.06	0.401	0.577
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132572	1770	1	-	23.47	25.00	1.422	-	-	0.03	0.399	0.568
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	-	22.64	24.00	1.368	-	-	-0.03	0.287	0.393
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	Soft Holster	23.60	25.00	1.380	-	-	-0.14	0.198	0.273
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 0	Standard Battery	132322	1745	1	Soft Holster	23.60	25.00	1.380	-	-	-0.07	0.396	0.547
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	BLE Beacon	132322	1745	1	-	23.60	25.00	1.380	-	-	-0.01	0.393	0.542
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Extended	132322	1745	1	-	23.60	25.00	1.380	-	-	0.07	0.406	0.560
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	-	23.88	25.00	1.294	-	-	-0.07	0.292	0.378
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	-	23.81	25.00	1.315	-	-	-0.08	0.349	0.459
71	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	-	23.88	25.00	1.294	-	-	-0.07	0.590	0.764
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	346000	1730	1	-	23.86	25.00	1.300	-	-	0.06	0.522	0.679
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	352000	1760	1	-	23.73	25.00	1.340	-	-	0.03	0.519	0.695
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	-	23.81	25.00	1.315	-	-	0.05	0.571	0.751
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	Soft Holster	23.88	25.00	1.294	-	-	0.06	0.574	0.743
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	349000	1745	1	Soft Holster	23.88	25.00	1.294	-	-	0.01	0.529	0.685
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	BLE Beacon	349000	1745	1	-	23.88	25.00	1.294	-	-	0.04	0.537	0.695
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Extended	349000	1745	1	-	23.88	25.00	1.294	-	-	0.09	0.522	0.676
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	-	24.16	25.00	1.213	-	-	-0.06	0.160	0.194
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	-	24.04	25.00	1.247	-	-	0.08	0.153	0.191
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	-	24.16	25.00	1.213	-	-	-0.04	0.305	0.370
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	349000	1745	2	-	24.16	25.00	1.213	-	-	0.01	0.295	0.358
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	346000	1730	1	-	24.08	25.00	1.236	-	-	0.03	0.285	0.352
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	352000	1760	1	-	23.99	25.00	1.262	-	-	-0.08	0.271	0.342
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	-	24.04	25.00	1.247	-	-	0.07	0.273	0.341
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	Soft Holster	24.16	25.00	1.213	-	-	0.04	0.158	0.192
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI 0	Standard Battery	349000	1745	1	Soft Holster	24.16	25.00	1.213	-	-	-0.14	0.290	0.352
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	BLE Beacon	349000	1745	1	-	24.16	25.00	1.213	-	-	0.15	0.297	0.360
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Extended	349000	1745	1	-	24.16	25.00	1.213	-	-	0.07	0.278	0.337
1900MHZ																							
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	DSI 0	Standard Battery	9400	1880	1	-	24.32	25.00	1.169	-	-	0.04	0.160	0.187
72	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	9400	1880	1	-	24.32	25.00	1.169	-	-	-0.01	0.450	0.526
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	9400	1880	2	-	24.32	25.00	1.169	-	-	0.08	0.383	0.448
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	9262	1852.4	1	-	24.19	25.00	1.205	-	-	0.06	0.411	0.495
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Standard Battery	9538	1907.6	1	-	24.30	25.00	1.175	-	-	0.03	0.409	0.481
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	DSI 0	Standard Battery	9400	1880	1	Soft Holster	24.32	25.00	1.169	-	-	0.09	0.150	0.175
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI 0	Standard Battery	9400	1880	1	Soft Holster	24.32	25.00	1.169	-	-	0.12	0.438	0.512
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	BLE Beacon	9400	1880	1	-	24.32	25.00	1.169	-	-	0.01	0.432	0.505
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 0	Extended	9400	1880	1	-	24.32	25.00	1.169	-	-	0.06	0.435	0.509



	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	-	23.83	25.00	1.309	-	-	0.06	0.300	0.393
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	-	22.81	24.00	1.315	-	-	0.09	0.239	0.314
73	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	-	23.83	25.00	1.309	-	-	-0.02	0.605	0.792
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	26140	1860	1	-	23.76	25.00	1.330	-	-	0.06	0.557	0.741
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	26590	1905	1	-	23.70	25.00	1.349	-	-	0.01	0.519	0.700
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	-	22.81	24.00	1.315	-	-	0.1	0.479	0.630
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	Soft Holster	23.83	25.00	1.309	-	-	0.08	0.293	0.384
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 0	Standard Battery	26340	1880	1	Soft Holster	23.83	25.00	1.309	-	-	-0.06	0.587	0.768
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	BLE Beacon	26340	1880	1	-	23.83	25.00	1.309	-	-	0.06	0.580	0.759
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 0	Extended	26340	1880	1	-	23.83	25.00	1.309	-	-	0.11	0.576	0.754
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	-	23.50	25.00	1.413	-	-	0.17	0.142	0.201
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	-	22.57	24.00	1.390	-	-	0.08	0.118	0.164
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	-	23.50	25.00	1.413	-	-	-0.08	0.426	0.602
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	26340	1880	2	-	23.50	25.00	1.413	-	-	0.01	0.340	0.480
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	26140	1860	1	-	23.39	25.00	1.449	-	-	0.07	0.382	0.553
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	26590	1905	1	-	23.41	25.00	1.442	-	-	-0.05	0.375	0.541
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	-	22.57	24.00	1.390	-	-	-0.11	0.353	0.491
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	Soft Holster	23.50	25.00	1.413	-	-	0.05	0.128	0.181
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 0	Standard Battery	26340	1880	1	Soft Holster	23.50	25.00	1.413	-	-	-0.17	0.373	0.527
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	BLE Beacon	26340	1880	1	-	23.50	25.00	1.413	-	-	-0.13	0.363	0.513
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Extended	26340	1880	1	-	23.50	25.00	1.413	-	-	-0.16	0.373	0.527
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	-	24.22	25.00	1.197	-	-	0.07	0.414	0.495
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	-	24.10	25.00	1.230	-	-	0.07	0.403	0.496
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	-	24.22	25.00	1.197	-	-	0.08	0.661	0.791
74	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	-	24.10	25.00	1.230	-	-	-0.08	0.687	0.845
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	-	23.15	24.00	1.216	-	-	0.08	0.516	0.628
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	Soft Holster	24.10	25.00	1.230	-	-	-0.1	0.312	0.384
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	Soft Holster	24.10	25.00	1.230	-	-	0.07	0.649	0.798
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	BLE Beacon	376500	1882.5	1	-	24.10	25.00	1.230	-	-	0.04	0.653	0.803
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 0	Extended	376500	1882.5	1	-	24.10	25.00	1.230	-	-	0.1	0.560	0.689
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	-	24.14	25.00	1.219	-	-	0.07	0.145	0.177
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	-	24.01	25.00	1.256	-	-	-0.11	0.157	0.197
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	-	24.14	25.00	1.219	-	-	0.01	0.394	0.480
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	-	24.01	25.00	1.256	-	-	-0.09	0.429	0.539
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	2	-	24.01	25.00	1.256	-	-	0.07	0.316	0.397
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	Soft Holster	24.01	25.00	1.256	-	-	0.01	0.162	0.203
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI 0	Standard Battery	376500	1882.5	1	Soft Holster	24.01	25.00	1.256	-	-	-0.11	0.417	0.524
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	BLE Beacon	376500	1882.5	1	-	24.01	25.00	1.256	-	-	-0.18	0.365	0.458
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Extended	376500	1882.5	1	-	24.01	25.00	1.256	-	-	0.08	0.371	0.466
2600MHZ																							
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	-	23.72	25.00	1.343	-	-	0.18	0.100	0.134
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	-	22.82	24.00	1.312	-	-	0.1	0.083	0.109
75	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	-	23.72	25.00	1.343	-	-	-0.07	0.742	0.996
	LTE Band 7C	20M	QPSK	1	99	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21100+21298	2535+2554.8	1	-	23.61	25.00	1.377	-	-	-0.13	0.721	0.993
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	2	-	23.72	25.00	1.343	-	-	-0.07	0.595	0.799
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	20850	2510	1	-	23.60	25.00	1.380	-	-	-0.07	0.711	0.981
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21350	2560	1	-	23.55	25.00	1.396	-	-	-0.07	0.705	0.984
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	-	22.82	24.00	1.312	-	-	0.06	0.598	0.785
	LTE Band 7	20M	QPSK	100	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	-	22.77	24.00	1.327	-	-	-0.07	0.715	0.949
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	Soft Holster	23.72	25.00	1.343	-	-	0.04	0.079	0.106
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 0	Standard Battery	21100	2535	1	Soft Holster	23.72	25.00	1.343	-	-	0.08	0.616	0.827
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	BLE Beacon	21100	2535	1	-	23.72	25.00	1.343	-	-	0.01	0.695	0.933
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Extended	21100	2535	1	-	23.72	25.00	1.343	-	-	0.04	0.697	0.936
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	-	24.56	25.00	1.107	-	-	0.08	0.080	0.089
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	-	24.44	25.00	1.138	-	-	0.17	0.064	0.073
76	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	-	24.56	25.00	1.107	-	-	-0.07	0.615	0.681



FCC SAR Test Report

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	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	507000	2535	2	-	24.56	25.00	1.107	-	-	0.01	0.561	0.621
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	-	24.44	25.00	1.138	-	-	-0.09	0.535	0.609
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	Soft Holster	24.56	25.00	1.107	-	-	-0.13	0.069	0.076
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI 0	Standard Battery	507000	2535	1	Soft Holster	24.56	25.00	1.107	-	-	0.06	0.563	0.623
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	BLE Beacon	507000	2535	1	-	24.56	25.00	1.107	-	-	0.03	0.614	0.679
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	DSI 0	Extended	507000	2535	1	-	24.56	25.00	1.107	-	-	0.02	0.598	0.662
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	-	23.93	25.00	1.279	62.9	1.006	-0.13	0.056	0.072
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	-	22.99	24.00	1.262	62.9	1.006	-0.15	0.042	0.053
77	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	-	23.93	25.00	1.279	62.9	1.006	-0.15	0.294	0.378
	LTE Band 41C	20M	QPSK	1	99	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620+40818	2593+2612.8	1	-	23.37	25.00	1.455	62.9	1.006	-0.09	0.255	0.373
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	2	-	23.93	25.00	1.279	62.9	1.006	0.04	0.282	0.363
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	-	22.99	24.00	1.262	62.9	1.006	0.04	0.253	0.321
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	Soft Holster	23.93	25.00	1.279	62.9	1.006	0.04	0.062	0.080
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	Soft Holster	23.93	25.00	1.279	62.9	1.006	0.04	0.273	0.351
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	BLE Beacon	40620	2593	1	-	23.93	25.00	1.279	62.9	1.006	0.06	0.272	0.350
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Extended	40620	2593	1	-	23.93	25.00	1.279	62.9	1.006	-0.17	0.263	0.338
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	-	25.88	27.00	1.294	42.9	1.009	-0.01	0.288	0.376
	LTE Band 41C_HPUE	20M	QPSK	1	99	-	Back	15mm	Ant 2	DSI 0	Standard Battery	40620+40818	2593+2612.8	1	-	25.36	27.00	1.459	42.9	1.009	-0.15	0.241	0.355
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	Soft Holster	25.88	27.00	1.294	42.9	1.009	0.04	0.057	0.074
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 0	Standard Battery	40620	2593	1	Soft Holster	25.88	27.00	1.294	42.9	1.009	0.04	0.252	0.329
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	BLE Beacon	40620	2593	1	-	25.88	27.00	1.294	42.9	1.009	0.06	0.250	0.326
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 0	Extended	40620	2593	1	-	25.88	27.00	1.294	42.9	1.009	-0.17	0.243	0.317
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	-	25.26	26.30	1.271	-	-	-0.19	0.164	0.208
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	-	25.23	26.30	1.279	-	-	0.02	0.120	0.154
78	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	-	25.26	26.30	1.271	-	-	-0.09	0.837	1.063
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	2	-	25.26	26.30	1.271	-	-	0.08	0.670	0.851
	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	-	25.23	26.30	1.279	-	-	0.08	0.702	0.898
	FR1 n41_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	-	25.16	26.00	1.213	-	-	0.06	0.612	0.743
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	25.26	26.30	1.271	-	-	0.04	0.108	0.137
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	25.26	26.30	1.271	-	-	-0.1	0.698	0.887
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	BLE Beacon	518598	2592.99	1	-	25.26	26.30	1.271	-	-	0.02	0.879	1.117
	FR1 n41_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 0	Extended	518598	2592.99	1	-	25.26	26.30	1.271	-	-	-0.16	0.759	0.964
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	-	21.79	23.00	1.321	-	-	-0.18	0.101	0.133
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	-	21.72	23.00	1.343	-	-	-0.15	0.079	0.106
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	-	21.79	23.00	1.321	-	-	-0.07	0.521	0.688
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	-	21.72	23.00	1.343	-	-	-0.09	0.535	0.718
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	2	-	21.72	23.00	1.343	-	-	0.06	0.515	0.692
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	-	20.54	22.00	1.400	-	-	0.15	0.448	0.627
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	21.72	23.00	1.343	-	-	0.07	0.071	0.095
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	21.72	23.00	1.343	-	-	0.04	0.424	0.569
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	BLE Beacon	518598	2592.99	1	-	21.72	23.00	1.343	-	-	-0.13	0.431	0.579
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Extended	518598	2592.99	1	-	21.72	23.00	1.343	-	-	-0.04	0.421	0.565
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	-	22.13	23.00	1.222	-	-	0.07	0.081	0.099
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	-	22.05	23.00	1.245	-	-	0.03	0.083	0.103
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	-	22.13	23.00	1.222	-	-	-0.15	0.124	0.152
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	-	22.05	23.00	1.245	-	-	-0.07	0.131	0.163
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	22.05	23.00	1.245	-	-	-0.14	0.123	0.153
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	22.05	23.00	1.245	-	-	-0.17	0.108	0.134
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 0	BLE Beacon	518598	2592.99	1	-	22.05	23.00	1.245	-	-	0.09	0.108	0.134
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 0	Extended	518598	2592.99	1	-	22.05	23.00	1.245	-	-	0.03	0.126	0.157
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	-	22.43	23.00	1.140	-	-	-0.11	0.085	0.097
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	-	22.36	23.00	1.159	-	-	0.03	0.089	0.103
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	-	22.43	23.00	1.140	-	-	-0.05	0.138	0.157
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	-	22.36	23.00	1.159	-	-	0.03	0.127	0.147
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	22.43	23.00	1.140	-	-	0.05	0.077	0.088
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI 0	Standard Battery	518598	2592.99	1	Soft Holster	22.43	23.00	1.140	-	-	-0.08	0.130	0.148



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	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 0	BLE Beacon	518598	2592.99	1	-	22.43	23.00	1.140	-	-	0.01	0.115	0.131
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 0	Extended	518598	2592.99	1	-	22.43	23.00	1.140	-	-	0.17	0.106	0.121
3500MHZ																							
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	-	21.33	22.40	1.279	62.9	1.006	-0.02	0.180	0.232
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	-	21.26	22.40	1.300	62.9	1.006	-0.02	0.150	0.196
79	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	-	21.33	22.40	1.279	62.9	1.006	-0.06	0.755	0.972
	LTE Band 48C	20M	QPSK	1	99	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55830+56028	3609+3628.8	1	-	21.31	22.40	1.285	62.9	1.006	0.1	0.741	0.958
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	2	-	21.33	22.40	1.279	62.9	1.006	0.01	0.704	0.906
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55340	3560	1	-	21.17	22.40	1.327	62.9	1.006	0.03	0.720	0.961
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	56150	3641	1	-	21.26	22.40	1.300	62.9	1.006	0.05	0.717	0.938
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	56640	3690	1	-	21.11	22.40	1.346	62.9	1.006	0.07	0.636	0.861
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	-	21.26	22.40	1.300	62.9	1.006	0.03	0.613	0.802
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55340	3560	1	-	20.85	22.40	1.429	62.9	1.006	0.08	0.604	0.868
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	56150	3641	1	-	20.85	22.40	1.429	62.9	1.006	0.05	0.610	0.877
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	56640	3690	1	-	20.96	22.40	1.393	62.9	1.006	0.15	0.527	0.739
	LTE Band 48	20M	QPSK	100	0	-	Back	15mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	-	21.20	22.40	1.318	62.9	1.006	0.02	0.619	0.821
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	Soft Holster	21.33	22.40	1.279	62.9	1.006	0.05	0.166	0.214
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	DSI 0	Standard Battery	55830	3609	1	Soft Holster	21.33	22.40	1.279	62.9	1.006	-0.1	0.711	0.915
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	BLE Beacon	55830	3609	1	-	21.33	22.40	1.279	62.9	1.006	0.09	0.706	0.909
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 0	Extended	55830	3609	1	-	21.33	22.40	1.279	62.9	1.006	-0.12	0.668	0.860
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	-	19.48	20.20	1.180	-	-	0.13	0.114	0.135
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	-	19.41	20.20	1.199	-	-	-0.17	0.130	0.156
80	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	-	19.48	20.20	1.180	-	-	-0.08	0.522	0.616
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	2	-	19.48	20.20	1.180	-	-	0.01	0.382	0.451
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	-	19.41	20.20	1.199	-	-	0.15	0.480	0.576
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	Soft Holster	19.48	20.20	1.180	-	-	-0.15	0.064	0.076
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	Soft Holster	19.48	20.20	1.180	-	-	0.09	0.420	0.496
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	BLE Beacon	641666	3624.99	1	-	19.48	20.20	1.180	-	-	0.1	0.500	0.590
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Extended	641666	3624.99	1	-	19.48	20.20	1.180	-	-	-0.1	0.509	0.601
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	-	19.44	20.40	1.247	-	-	0.15	0.094	0.117
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	-	19.38	20.40	1.265	-	-	0.04	0.081	0.102
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	-	19.44	20.40	1.247	-	-	-0.02	0.427	0.533
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	2	-	19.44	20.40	1.247	-	-	0.09	0.409	0.510
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	-	19.38	20.40	1.265	-	-	-0.04	0.412	0.521
	FR1 n77_HPUE Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	-	19.31	20.40	1.285	-	-	0.03	0.321	0.413
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	Soft Holster	19.44	20.40	1.247	-	-	0.02	0.072	0.090
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	Soft Holster	19.44	20.40	1.247	-	-	-0.09	0.376	0.469
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	BLE Beacon	656000	3840	1	-	19.44	20.40	1.247	-	-	0.04	0.421	0.525
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Extended	656000	3840	1	-	19.44	20.40	1.247	-	-	0.07	0.419	0.523
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	-	19.14	20.40	1.337	-	-	0.03	0.083	0.111
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	-	19.10	20.40	1.349	-	-	-0.07	0.097	0.131
	FR1 n77_HPUE Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	-	19.14	20.40	1.337	-	-	-0.12	0.466	0.623
81	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	-	19.10	20.40	1.349	-	-	-0.04	0.532	0.718
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	2	-	19.10	20.40	1.349	-	-	0.03	0.377	0.509
	FR1 n77_HPUE Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	-	18.98	20.40	1.387	-	-	0.05	0.405	0.562
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	19.10	20.40	1.349	-	-	0.06	0.059	0.080
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	19.10	20.40	1.349	-	-	-0.04	0.515	0.695
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	BLE Beacon	633334	3500.01	1	-	19.10	20.40	1.349	-	-	0.06	0.518	0.699
	FR1 n77_HPUE Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 0	Extended	633334	3500.01	1	-	19.10	20.40	1.349	-	-	-0.1	0.491	0.662
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	-	22.52	23.00	1.117	-	-	0.12	0.117	0.131
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	-	22.46	23.00	1.132	-	-	0.16	0.153	0.173
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	-	22.52	23.00	1.117	-	-	0.09	0.290	0.324
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	-	22.46	23.00	1.132	-	-	-0.04	0.354	0.401
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	Soft Holster								



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FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Extended	656000	3840	1	-	22.46	23.00	1.132	-	-	0.08	0.311	0.352
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	-	22.16	23.00	1.213	-	-	0.04	0.143	0.174
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	-	22.11	23.00	1.227	-	-	0.05	0.153	0.188
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	-	22.16	23.00	1.213	-	-	0.17	0.282	0.342
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	-	22.11	23.00	1.227	-	-	0.05	0.364	0.447
FR1 n77 Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	-	20.94	22.00	1.276	-	-	0.19	0.284	0.363
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	22.11	23.00	1.227	-	-	0.01	0.164	0.201
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	22.11	23.00	1.227	-	-	-0.06	0.359	0.441
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	BLE Beacon	633334	3500.01	1	-	22.11	23.00	1.227	-	-	0.07	0.345	0.423
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 0	Extended	633334	3500.01	1	-	22.11	23.00	1.227	-	-	-0.17	0.296	0.363
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	-	21.23	21.50	1.064	-	-	0.06	0.178	0.189
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	-	21.15	21.50	1.084	-	-	0.06	0.187	0.203
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	-	21.23	21.50	1.064	-	-	0.02	0.263	0.280
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	-	21.15	21.50	1.084	-	-	-0.13	0.346	0.375
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	656000	3840	2	-	21.15	21.50	1.084	-	-	0.09	0.323	0.350
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	Soft Holster	21.15	21.50	1.084	-	-	-0.17	0.165	0.179
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	656000	3840	1	Soft Holster	21.15	21.50	1.084	-	-	-0.12	0.239	0.259
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	BLE Beacon	656000	3840	1	-	21.15	21.50	1.084	-	-	0.05	0.271	0.294
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Extended	656000	3840	1	-	21.15	21.50	1.084	-	-	-0.07	0.333	0.361
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	-	19.76	21.50	1.493	-	-	-0.07	0.093	0.139
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	-	19.71	21.50	1.510	-	-	0.05	0.078	0.118
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	-	19.76	21.50	1.493	-	-	0.05	0.178	0.266
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	2	-	19.76	21.50	1.493	-	-	0.06	0.172	0.257
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	-	19.71	21.50	1.510	-	-	0.18	0.130	0.196
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	19.76	21.50	1.493	-	-	0.09	0.057	0.085
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	19.76	21.50	1.493	-	-	0.02	0.121	0.181
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	BLE Beacon	633334	3500.01	1	-	19.76	21.50	1.493	-	-	0.15	0.177	0.264
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 0	Extended	633334	3500.01	1	-	19.76	21.50	1.493	-	-	0.04	0.176	0.263
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	-	22.22	23.00	1.197	-	-	0.03	0.034	0.041
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	-	22.18	23.00	1.208	-	-	-0.1	0.025	0.030
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	-	22.22	23.00	1.197	-	-	0.11	0.151	0.181
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	656000	3840	2	-	22.22	23.00	1.197	-	-	0.01	0.149	0.178
FR1 n77 Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	-	22.18	23.00	1.208	-	-	-0.07	0.105	0.127
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	Soft Holster	22.22	23.00	1.197	-	-	0.04	0.068	0.081
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	DSI 0	Standard Battery	656000	3840	1	Soft Holster	22.22	23.00	1.197	-	-	0.06	0.142	0.170
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	BLE Beacon	656000	3840	1	-	22.22	23.00	1.197	-	-	0.01	0.139	0.166
FR1 n77 Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Extended	656000	3840	1	-	22.22	23.00	1.197	-	-	0.02	0.148	0.177
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	-	21.41	23.00	1.442	-	-	0.04	0.043	0.062
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	-	21.36	23.00	1.459	-	-	0.15	0.047	0.069
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	-	21.41	23.00	1.442	-	-	0.18	0.211	0.304
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	2	-	21.41	23.00	1.442	-	-	0.02	0.186	0.268
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	-	21.36	23.00	1.459	-	-	0.1	0.162	0.236
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	21.41	23.00	1.442	-	-	-0.15	0.084	0.121
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	DSI 0	Standard Battery	633334	3500.01	1	Soft Holster	21.41	23.00	1.442	-	-	-0.17	0.186	0.268
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	BLE Beacon	633334	3500.01	1	-	21.41	23.00	1.442	-	-	-0.16	0.210	0.303
FR1 n77 Part27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 0	Extended	633334	3500.01	1	-	21.41	23.00	1.442	-	-	0.01	0.210	0.303



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Power Reduction	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WLAN&BT																				
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 8	-	Full Power	Standard Battery	11	2462	1	-	20.95	21.00	1.012	97.93	1.021	0.07	0.065	0.067
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	Standard Battery	11	2462	1	-	20.95	21.00	1.012	97.93	1.021	0.05	0.249	0.257
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	Standard Battery	11	2462	2	-	20.95	21.00	1.012	97.93	1.021	0.09	0.203	0.210
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	Standard Battery	1	2412	1	-	20.76	21.00	1.057	97.93	1.021	0.01	0.211	0.228
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	Standard Battery	6	2437	1	-	20.80	21.00	1.047	97.93	1.021	0.06	0.206	0.220
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	BLE Beacon	11	2462	1	-	20.95	21.00	1.012	97.93	1.021	-0.07	0.243	0.251
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Full Power	Extended	11	2462	1	-	20.95	21.00	1.012	97.93	1.021	-0.19	0.230	0.238
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 8	-	Full Power	Standard Battery	11	2462	1	Soft Holster	20.95	21.00	1.012	97.93	1.021	-0.02	0.056	0.058
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	-	Full Power	Standard Battery	11	2462	1	Soft Holster	20.95	21.00	1.012	97.93	1.021	0.04	0.142	0.147
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 8	-	Simultaneous Non DBS	Standard Battery	11	2462	1	-	18.80	19.00	1.047	97.93	1.021	0.07	0.039	0.042
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	-	Simultaneous Non DBS	Standard Battery	11	2462	1	-	18.80	19.00	1.047	97.93	1.021	0.05	0.141	0.151
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	11	2462	1	-	20.35	20.50	1.035	97.93	1.021	0.09	0.185	0.196
82	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	11	2462	1	-	20.35	20.50	1.035	97.93	1.021	-0.08	0.256	0.271
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	11	2462	2	-	20.35	20.50	1.035	97.93	1.021	0.02	0.225	0.238
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	1	2412	1	-	20.14	20.50	1.086	97.93	1.021	0.01	0.229	0.254
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	6	2437	1	-	20.15	20.50	1.084	97.93	1.021	0.09	0.218	0.241
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	BLE Beacon	11	2462	1	-	20.35	20.50	1.035	97.93	1.021	0.02	0.252	0.266
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Extended	11	2462	1	-	20.35	20.50	1.035	97.93	1.021	-0.19	0.243	0.257
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7+8(7)	-	Full Power	Standard Battery	11	2462	1	Soft Holster	20.35	20.50	1.035	97.93	1.021	0.06	0.104	0.110
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7+8(7)	-	Full Power	Standard Battery	11	2462	1	Soft Holster	20.35	20.50	1.035	97.93	1.021	0.01	0.247	0.261
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	-	Simultaneous Non DBS	Standard Battery	11	2462	1	-	13.24	13.50	1.062	97.93	1.021	0.09	0.035	0.038
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	-	Simultaneous Non DBS	Standard Battery	11	2462	1	-	13.24	13.50	1.062	97.93	1.021	-0.08	0.052	0.056
	Bluetooth	1Mbps	Front	15mm	Ant 7	-	Full Power	Standard Battery	78	2480	1	-	3.86	4.00	1.033	77.15	1.080	0.01	0.001	0.001
83	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	Standard Battery	78	2480	1	-	3.86	4.00	1.033	77.15	1.080	0.03	0.003	0.003
	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	Standard Battery	78	2480	2	-	3.86	4.00	1.033	77.15	1.080	0.01	0.002	0.002
	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	Standard Battery	0	2402	1	-	3.71	4.00	1.069	77.15	1.080	-0.07	0.001	0.001
	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	Standard Battery	39	2441	1	-	3.22	4.00	1.197	77.15	1.080	0.15	0.001	0.001
	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	BLE Beacon	78	2480	1	-	3.86	4.00	1.033	77.15	1.080	0.02	0.002	0.002
	Bluetooth	1Mbps	Back	15mm	Ant 7	-	Full Power	Extended	78	2480	1	-	3.86	4.00	1.033	77.15	1.080	-0.01	0.001	0.001
	Bluetooth	1Mbps	Front	0mm	Ant 7	-	Full Power	Standard Battery	78	2480	1	Soft Holster	3.86	4.00	1.033	77.15	1.080	0.06	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 7	-	Full Power	Standard Battery	78	2480	1	Soft Holster	3.86	4.00	1.033	77.15	1.080	0.08	0.002	0.002
	WLAN5.3GHz	802.11a 6Mbps	Front	15mm	Ant 7+8(8)	-	Full Power	Standard Battery	56	5280	1	-	19.71	20.00	1.068	98.63	1.014	0.03	0.241	0.261
84	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Full Power	Standard Battery	56	5280	1	-	19.71	20.00	1.068	98.63	1.014	-0.09	0.763	0.826
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Full Power	Standard Battery	56	5280	2	-	19.71	20.00	1.068	98.63	1.014	0.01	0.581	0.629
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	60	5300	1	-	19.80	20.00	1.047	98.63	1.014	-0.02	0.668	0.709
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Full Power	Standard Battery	64	5320	1	-	18.60	19.00	1.096	98.63	1.014	-0.02	0.638	0.709
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(7)	-	Full Power	Standard Battery	52	5260	1	-	20.04	20.50	1.112	98.63	1.014	0.11	0.608	0.685
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Full Power	BLE Beacon	56	5280	1	-	19.71	20.00	1.068	98.63	1.014	0.09	0.661	0.716
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Full Power	Extended	56	5280	1	-	19.71	20.00	1.068	98.63	1.014	0.07	0.662	0.717
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 7+8(8)	-	Full Power	Standard Battery	56	5280	1	Soft Holster	19.71	20.00	1.068	98.63	1.014	0.03	0.195	0.211
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 7+8(8)	-	Full Power	Standard Battery	56	5280	1	Soft Holster	19.71	20.00	1.068	98.63	1.014	0.06	0.448	0.485
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	-	Standalone DBS	Standard Battery	54	5270	1	-	19.20	19.50	1.072	100	1.000	0.01	0.213	0.228
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone DBS	Standard Battery	54	5270	1	-	19.20	19.50	1.072	100	1.000	0.06	0.671	0.719
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Simultaneous Non DBS	Standard Battery	58	5290	1	-	13.54	14.00	1.112	98.04	1.020	0.06	0.033	0.037
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Simultaneous Non DBS	Standard Battery	58	5290	1	-	13.54	14.00	1.112	98.04	1.020	0.01	0.140	0.159
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Simultaneous DBS	Standard Battery	58	5290	1	-	10.51	11.00	1.119	98.04	1.020	0.03	0.019	0.022
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Simultaneous DBS	Standard Battery	58	5290	1	-	10.51	11.00	1.119	98.04	1.020	-0.06	0.088	0.100
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	0.05	0.239	0.265
85	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	-0.08	1.210	1.341
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	134	5670	1	-	17.56	18.00	1.107	100	1.000	0.15	1.150	1.273
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	102	5510	1	-	17.03	17.50	1.114	100	1.000	0.06	1.110	1.237



	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	110	5550	1	-	17.21	17.50	1.069	100	1.000	0.05	1.060	1.133
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	126	5630	1	-	17.26	17.50	1.057	100	1.000	0.01	1.070	1.131
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	142	5710	1	-	17.51	18.00	1.119	100	1.000	-0.07	1.050	1.175
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	144	5720	1	-	17.16	17.50	1.081	100	1.000	0.03	1.080	1.168
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	122	5610	2	-	17.64	18.00	1.087	98.04	1.020	0.08	0.888	0.984
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	3.5mm PTT	Standalone Non DBS	Standard Battery	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	0.08	1.050	1.164
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	Type C Audio	Standalone Non DBS	Standard Battery	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	0.18	1.010	1.120
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	BLE Beacon	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	0.03	1.050	1.164
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Extended	122	5610	1	-	17.64	18.00	1.087	98.04	1.020	0.15	1.020	1.131
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	122	5610	1	Soft Holster	17.64	18.00	1.087	98.04	1.020	0.08	0.093	0.103
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	122	5610	1	Soft Holster	17.64	18.00	1.087	98.04	1.020	0.02	0.857	0.950
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	106	5530	1	-	16.36	16.50	1.033	98.04	1.020	0.08	1.080	1.138
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	138	5690	1	-	17.12	17.50	1.092	98.04	1.020	0.08	1.080	1.203
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Standalone DBS	Standard Battery	122	5610	1	-	15.08	15.50	1.102	98.04	1.020	0.09	0.143	0.161
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone DBS	Standard Battery	122	5610	1	-	15.08	15.50	1.102	98.04	1.020	0.06	0.711	0.799
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Simultaneous Non DBS	Standard Battery	122	5610	1	-	12.54	13.00	1.112	98.04	1.020	-0.13	0.071	0.081
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Simultaneous Non DBS	Standard Battery	122	5610	1	-	12.54	13.00	1.112	98.04	1.020	0.02	0.355	0.403
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	-	Simultaneous DBS	Standard Battery	122	5610	1	-	10.05	10.50	1.109	98.04	1.020	0.06	0.051	0.058
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	-	Simultaneous DBS	Standard Battery	122	5610	1	-	10.05	10.50	1.109	98.04	1.020	0.01	0.192	0.217
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	0.02	0.230	0.259
86	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	-0.01	1.200	1.353
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	159	5795	1	-	17.11	17.50	1.094	100	1.000	0.06	1.150	1.258
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	151	5755	1	-	17.06	17.50	1.107	100	1.000	0.04	1.090	1.206
	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant 7+8(8)	-	Standalone Non DBS	Standard Battery	149	5745	1	-	17.38	17.50	1.028	100	1.000	0.04	1.160	1.192
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	155	5775	2	-	17.07	17.50	1.105	98.04	1.020	-0.11	0.912	1.028
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	3.5mm PTT	Standalone Non DBS	Standard Battery	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	0.06	1.100	1.240
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	Type C Audio	Standalone Non DBS	Standard Battery	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	0.03	1.080	1.217
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	BLE Beacon	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	0.18	1.100	1.240
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone Non DBS	Extended	155	5775	1	-	17.07	17.50	1.105	98.04	1.020	0.04	1.070	1.206
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	155	5775	1	Soft Holster	17.07	17.50	1.105	98.04	1.020	-0.18	0.080	0.090
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	-	Standalone Non DBS	Standard Battery	155	5775	1	Soft Holster	17.07	17.50	1.105	98.04	1.020	0.1	0.890	1.003
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	-	Standalone DBS	Standard Battery	155	5775	1	-	14.63	15.00	1.089	98.04	1.020	0.03	0.144	0.160
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Standalone DBS	Standard Battery	155	5775	1	-	14.63	15.00	1.089	98.04	1.020	0.01	0.657	0.730
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	-	Simultaneous Non DBS	Standard Battery	155	5775	1	-	9.06	9.50	1.107	98.04	1.020	-0.04	0.045	0.051
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Simultaneous Non DBS	Standard Battery	155	5775	1	-	9.06	9.50	1.107	98.04	1.020	0.06	0.174	0.196
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	-	Simultaneous DBS	Standard Battery	155	5775	1	-	6.55	7.00	1.110	98.04	1.020	0.01	0.028	0.032
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	-	Simultaneous DBS	Standard Battery	155	5775	1	-	6.55	7.00	1.110	98.04	1.020	0.05	0.091	0.103



15.4 Product specific 10g SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Battery, Ch., Freq. (MHz), Sample, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 10g SAR (W/kg), Reported 10g SAR (W/kg). Rows are grouped by frequency bands: 1750MHZ, 1900MHZ, and 2600MHZ.



FCC SAR Test Report

Report No. : FA311602

Table with columns for LTE Band, Modulation, Power, etc. Includes rows for bands 7, 48, and FR1 n7/n48 with various test parameters and SAR values.



FCC SAR Test Report

Report No. : FA311602

	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Extended	643332	3649.98	1	19.31	20.20	1.227	-	-	-0.05	2.410	2.958
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	641666	3624.99	1	19.27	20.20	1.239	-	-	0.09	1.870	2.317
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.44	20.40	1.247	-	-	0.03	1.230	1.534
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.38	20.40	1.265	-	-	0.03	1.240	1.568
96	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.44	20.40	1.247	-	-	0.04	2.470	3.081
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	2	19.44	20.40	1.247	-	-	0.08	2.310	2.881
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	BLE Beacon	656000	3840	1	19.44	20.40	1.247	-	-	0.04	2.220	2.769
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Extended	656000	3840	1	19.44	20.40	1.247	-	-	0.11	2.180	2.719
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.38	20.40	1.265	-	-	0.07	2.410	3.048
	FR1 n77_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.31	20.40	1.285	-	-	0.18	1.930	2.481
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	19.14	20.40	1.337	-	-	0.06	0.743	0.993
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	19.10	20.40	1.349	-	-	0.03	0.873	1.178
	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	19.14	20.40	1.337	-	-	0.03	1.260	1.684
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	19.10	20.40	1.349	-	-	0.02	1.860	2.509
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	2	19.10	20.40	1.349	-	-	0.08	1.320	1.781
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	BLE Beacon	633334	3500.01	1	19.10	20.40	1.349	-	-	0.09	1.300	1.754
	FR1 n77_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Extended	633334	3500.01	1	19.10	20.40	1.349	-	-	0.06	1.280	1.727
	FR1 n77_HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	633334	3500.01	1	18.98	20.40	1.387	-	-	0.01	1.570	2.177
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	0.1	0.654	0.730
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	0.02	0.796	0.901
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	22.52	23.00	1.117	-	-	-0.18	1.200	1.340
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	656000	3840	1	22.46	23.00	1.132	-	-	-0.02	1.450	1.642
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	BLE Beacon	656000	3840	1	22.46	23.00	1.132	-	-	0.06	1.430	1.619
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Extended	656000	3840	1	22.46	23.00	1.132	-	-	-0.03	1.120	1.268
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	0.08	1.330	1.614
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	-0.14	1.390	1.706
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.16	23.00	1.213	-	-	-0.16	2.190	2.657
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.08	2.390	2.934
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	BLE Beacon	633334	3500.01	1	22.11	23.00	1.227	-	-	0.08	2.170	2.664
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Extended	633334	3500.01	1	22.11	23.00	1.227	-	-	0.04	2.300	2.823
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	20.94	22.00	1.276	-	-	-0.03	2.110	2.693



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
WLAN																			
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	1	19.68	20.00	1.076	100	1.000	0.04	0.355	0.382	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	1	19.68	20.00	1.076	100	1.000	-0.06	0.888	0.956	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	1	19.68	20.00	1.076	100	1.000	0.09	0.045	0.048	
97	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	1	19.68	20.00	1.076	100	1.000	-0.06	1.870	2.013	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	2	19.68	20.00	1.076	100	1.000	0.03	1.500	1.615	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	BLE Beacon	46	5230	1	19.68	20.00	1.076	100	1.000	-0.18	1.200	1.292	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	Extended	46	5230	1	19.68	20.00	1.076	100	1.000	-0.06	1.190	1.281	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(8)	Full power	Standard Battery	38	5190	1	17.21	17.50	1.069	100	1.000	-0.08	0.921	0.985	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(7)	Full power	Standard Battery	46	5230	1	19.68	20.00	1.076	100	1.000	-0.17	0.737	0.793	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	46	5230	1	19.13	19.50	1.089	100	1.000	0.03	0.311	0.339	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	46	5230	1	19.13	19.50	1.089	100	1.000	0.01	0.792	0.862	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	46	5230	1	19.13	19.50	1.089	100	1.000	0.09	0.039	0.042	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	46	5230	1	19.13	19.50	1.089	100	1.000	0.03	1.250	1.361	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	46	5230	1	19.13	19.50	1.089	100	1.000	-0.07	0.652	0.710	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	-0.08	0.092	0.102	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.03	0.207	0.229	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.01	0.009	0.010	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.01	0.335	0.370	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	42	5210	1	12.65	13.00	1.084	98.04	1.020	0.06	0.158	0.175	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.02	0.051	0.056	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.03	0.136	0.150	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.01	0.005	0.006	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	0.01	0.226	0.250	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	42	5210	1	9.65	10.00	1.084	98.04	1.020	-0.19	0.091	0.101	
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	-0.09	0.481	0.521	
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	0.14	1.250	1.354	
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	0.12	0.062	0.067	
98	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	-0.08	2.230	2.415	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	2	19.71	20.00	1.068	98.63	1.014	0.09	1.740	1.884	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	BLE Beacon	56	5280	1	19.71	20.00	1.068	98.63	1.014	-0.11	1.910	2.068	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Extended	56	5280	1	19.71	20.00	1.068	98.63	1.014	0.03	1.830	1.982	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(7)	Full Power	Standard Battery	52	5260	1	20.04	20.50	1.112	98.63	1.014	-0.03	1.760	1.984	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(7)	Full Power	Standard Battery	60	5300	1	19.80	20.00	1.047	98.63	1.014	-0.07	1.920	2.039	
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	64	5320	1	18.60	19.00	1.096	98.63	1.014	0.01	1.910	2.124	
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	-0.05	0.957	1.037	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	54	5270	1	19.20	19.50	1.072	100	1.000	0.03	0.430	0.461	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	54	5270	1	19.20	19.50	1.072	100	1.000	0.01	1.110	1.189	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	54	5270	1	19.20	19.50	1.072	100	1.000	-0.05	0.048	0.051	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	54	5270	1	19.20	19.50	1.072	100	1.000	0.01	1.880	2.014	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	54	5270	1	19.20	19.50	1.072	100	1.000	0.08	0.833	0.893	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	58	5290	1	13.54	14.00	1.112	98.04	1.020	-0.03	0.116	0.132	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	58	5290	1	13.54	14.00	1.112	98.04	1.020	0.01	0.274	0.311	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	58	5290	1	13.54	14.00	1.112	98.04	1.020	0.05	0.017	0.019	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	58	5290	1	13.54	14.00	1.112	98.04	1.020	0.04	0.475	0.539	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	58	5290	1	13.54	14.00	1.112	98.04	1.020	0.09	0.202	0.229	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	58	5290	1	10.51	11.00	1.119	98.04	1.020	0.03	0.067	0.077	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	58	5290	1	10.51	11.00	1.119	98.04	1.020	0.01	0.148	0.169	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	58	5290	1	10.51	11.00	1.119	98.04	1.020	0.06	0.106	0.121	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	58	5290	1	10.51	11.00	1.119	98.04	1.020	0.05	0.247	0.282	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	58	5290	1	10.51	11.00	1.119	98.04	1.020	-0.01	0.107	0.122	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	-0.07	0.595	0.660	



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	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	0.06	1.800	1.995
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	0.02	0.050	0.055
99	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	-0.04	2.420	2.683
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	2	17.64	18.00	1.087	98.04	1.020	0.09	2.330	2.583
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	BLE Beacon	122	5610	1	17.64	18.00	1.087	98.04	1.020	0.02	2.110	2.339
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	Extended	122	5610	1	17.64	18.00	1.087	98.04	1.020	0.16	2.360	2.616
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	106	5530	1	16.36	16.50	1.033	98.04	1.020	0.03	2.290	2.412
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	138	5690	1	17.12	17.50	1.092	98.04	1.020	-0.07	2.200	2.452
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	116	5580	1	17.64	18.00	1.087	98.04	1.020	0.03	1.020	1.131
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	122	5610	1	15.08	15.50	1.102	98.04	1.020	-0.03	0.356	0.400
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	122	5610	1	15.08	15.50	1.102	98.04	1.020	0.02	1.040	1.169
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	122	5610	1	15.08	15.50	1.102	98.04	1.020	0.04	0.041	0.046
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	122	5610	1	15.08	15.50	1.102	98.04	1.020	0.08	1.340	1.506
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Standalone DBS	Standard Battery	122	5610	1	15.08	15.50	1.102	98.04	1.020	0.01	0.561	0.630
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	122	5610	1	12.54	13.00	1.112	98.04	1.020	-0.03	0.166	0.188
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	122	5610	1	12.54	13.00	1.112	98.04	1.020	0.02	0.522	0.592
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	122	5610	1	12.54	13.00	1.112	98.04	1.020	0.05	0.019	0.022
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	122	5610	1	12.54	13.00	1.112	98.04	1.020	-0.15	0.642	0.728
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous Non DBS	Standard Battery	122	5610	1	12.54	13.00	1.112	98.04	1.020	0.01	0.259	0.294
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	122	5610	1	10.05	10.50	1.109	98.04	1.020	-0.03	0.096	0.109
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	122	5610	1	10.05	10.50	1.109	98.04	1.020	0.01	0.295	0.334
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	122	5610	1	10.05	10.50	1.109	98.04	1.020	0.05	0.011	0.012
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	122	5610	1	10.05	10.50	1.109	98.04	1.020	0.01	0.355	0.402
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous DBS	Standard Battery	122	5610	1	10.05	10.50	1.109	98.04	1.020	0.06	0.155	0.175
100	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.01	3.100	3.494
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	2	17.07	17.50	1.105	98.04	1.020	0.09	2.280	2.570
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	BLE Beacon	155	5775	1	17.07	17.50	1.105	98.04	1.020	0.08	2.510	2.829
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	Extended	155	5775	1	17.07	17.50	1.105	98.04	1.020	0.13	2.910	3.280
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	159	5795	1	17.11	17.50	1.094	100	1.000	0.01	2.590	2.833
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.01	2.500	2.818
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	0.06	1.010	1.139
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	14.63	15.00	1.089	98.04	1.020	-0.03	1.730	1.922
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	14.63	15.00	1.089	98.04	1.020	0.05	1.360	1.511
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Standalone DBS	Standard Battery	155	5775	1	14.63	15.00	1.089	98.04	1.020	0.01	0.598	0.664
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.07	0.471	0.532
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.15	0.365	0.412
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Simultaneous Non DBS	Standard Battery	155	5775	1	9.06	9.50	1.107	98.04	1.020	0.19	0.175	0.198
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.01	0.266	0.301
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	0.11	0.211	0.239
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7+8(7)	Simultaneous DBS	Standard Battery	155	5775	1	6.55	7.00	1.110	98.04	1.020	-0.04	0.100	0.113



15.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23230	782	1	23.61	25.00	1.377	-	-	0.06	0.885	1	1.219
2nd	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	23230	782	1	23.61	25.00	1.377	-	-	-0.02	0.874	1.013	1.204
1st	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	0.08	0.911	1	1.121
2nd	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	Standard Battery	166300	831.5	1	24.10	25.00	1.230	-	-	-0.13	0.905	1.007	1.113
1st	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	-0.09	0.890	1	1.123
2nd	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	641666	3624.99	1	20.69	21.70	1.262	-	-	0.09	0.879	1.013	1.109
1st	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	-0.16	0.885	1	1.119
2nd	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	Standard Battery	656000	3840	1	20.98	22.00	1.265	-	-	-0.01	0.877	1.009	1.109
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	6	2437	1	18.67	19.00	1.079	97.93	1.021	-0.03	1.210	1	1.333
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	6	2437	1	18.67	19.00	1.079	97.93	1.021	0.05	1.140	1.061	1.256
1st	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 1	Standard Battery	132572	1770	1	21.94	23.10	1.306	-	-	-0.09	0.953	1	1.245
2nd	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 1	Standard Battery	132572	1770	1	21.94	23.10	1.306	-	-	-0.18	0.951	1.002	1.242
1st	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 1	Standard Battery	26590	1905	1	22.25	23.30	1.274	-	-	0.05	0.977	1	1.244
2nd	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 1	Standard Battery	26590	1905	1	22.25	23.30	1.274	-	-	0.14	0.965	1.012	1.229
1st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Standard Battery	518598	2592.99	1	21.72	22.60	1.225	-	-	-0.17	0.917	1	1.123
2nd	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 1	Standard Battery	518598	2592.99	1	21.72	22.60	1.225	-	-	0.05	0.915	1.002	1.121
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.05	0.913	1	1.121
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 1	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.03	0.908	1.006	1.115
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	-0.08	1.210	1	1.341
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	0.02	1.160	1.043	1.286
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.01	1.200	1	1.353
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.18	1.110	1.081	1.251

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Battery	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	132572	1770	1	23.37	24.50	1.297	-	-	0.02	2.680	1	3.476
2nd	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	132572	1770	1	23.37	24.50	1.297	-	-	-0.04	2.660	1.008	3.450
1st	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	24.10	25.00	1.230	-	-	0.04	2.650	1	3.260
2nd	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	376500	1882.5	1	24.10	25.00	1.230	-	-	-0.16	2.580	1.027	3.174
1st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	21.72	23.00	1.343	-	-	-0.08	2.470	1	3.317
2nd	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 0	Standard Battery	518598	2592.99	1	21.72	23.00	1.343	-	-	0.11	2.450	1.008	3.290
1st	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	643332	3649.98	1	19.31	20.20	1.227	-	-	0.15	2.520	1	3.093
2nd	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	643332	3649.98	1	19.31	20.20	1.227	-	-	0.06	2.500	1.008	3.069
1st	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.44	20.40	1.247	-	-	0.04	2.470	1	3.081
2nd	FR1 n77_HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI 0	Standard Battery	656000	3840	1	19.44	20.40	1.247	-	-	-0.08	2.440	1.012	3.044
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.08	2.390	1	2.934
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI 0	Standard Battery	633334	3500.01	1	22.11	23.00	1.227	-	-	0.02	2.240	1.067	2.749
1st	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	-0.08	2.230	1	2.415
2nd	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 7+8(8)	Full Power	Standard Battery	56	5280	1	19.71	20.00	1.068	98.63	1.014	0.04	2.200	1.014	2.382
1st	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	-0.04	2.420	1	2.683
2nd	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7+8(8)	Standalone Non DBS	Standard Battery	122	5610	1	17.64	18.00	1.087	98.04	1.020	-0.07	2.400	1.014	2.661
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.01	3.100	1	3.494
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	Standalone Non DBS	Standard Battery	155	5775	1	17.07	17.50	1.105	98.04	1.020	-0.14	3.050	1.014	3.438



General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



15.1 TDD LTE Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE Band 41(HPUE) Ant 2-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.285	0.283
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.309	
% deviation from expected linearity		-8.41%
LTE Band 41(HPUE) Ant 2-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.376	0.373
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.408	
% deviation from expected linearity		-8.50%
LTE Band 41(HPUE) Ant 2-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.709	0.700
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.769	
% deviation from expected linearity		-8.93%

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz Ant8 + Bluetooth	Yes	Yes	Yes	Yes
6.	WWAN + WLAN2.4GHz Ant8 + Bluetooth	Yes	Yes	Yes	Yes
7.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
8.	WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
9.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
10.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
11.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
12.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
13.	WWAN + WLAN5GHz + WLAN2.4GHz Ant8 + Bluetooth	Yes	Yes	Yes	Yes
14.	WWAN + WLAN6GHz + WLAN2.4GHz Ant8 + Bluetooth	Yes	Yes	Yes	Yes
15.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
16.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
17.	WWAN + WLAN2.4GHz+NFC				Yes
18.	WWAN + WLAN5GHz+NFC				Yes
19.	WWAN + WLAN6GHz+NFC				Yes
20.	WWAN + Bluetooth+NFC				Yes
21.	WLAN2.4GHz + WLAN5GHz+NFC				Yes
22.	WLAN2.4GHz + WLAN6GHz+NFC				Yes
23.	WLAN5GHz+ Bluetooth+NFC				Yes
24.	WLAN6GHz+ Bluetooth+NFC				Yes
25.	WWAN + WLAN2.4GHz + WLAN5GHz+NFC				Yes
26.	WWAN + WLAN2.4GHz + WLAN6GHz+NFC				Yes
27.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
28.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes
29.	WLAN2.4GHz Ant8 + Bluetooth +NFC				Yes
30.	WWAN + WLAN2.4GHz Ant8 + Bluetooth+NFC				Yes
31.	WWAN + WLAN5GHz + WLAN2.4GHz Ant8 + Bluetooth+NFC				Yes
32.	WWAN + WLAN6GHz + WLAN2.4GHz Ant8 + Bluetooth+NFC				Yes

General Note:

- This device supports VoIP in WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO mode.
- EUT will choose each WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.



12. According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz cannot transmit simultaneously.
13. According to the EUT characteristic, WLAN 2.4GHz Ant8 and Bluetooth Ant7 can transmit simultaneously.
14. NFC can transmit simultaneously with other Radios in extremity exposure condition.
15. For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
16. The maximum SAR summation is calculated based on the same configuration and test position.
17. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
18. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR , simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 16.6.
19. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis per KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 16 has include TER analysis requirement according to KDB 987594.

16.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and $B \leq 1.0$.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

If $A + C \leq 1.0$ and $B + C \leq 1.0$ can be proven, then “ $x\% * A + (100-x)\% * B + C \leq 1.0$ ”. Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if $A + C > 1.0$ and/or $B + C > 1.0$, then the followings need to hold true for compliance:

- i. A and C are decoupled based on the SPLSR criteria, and
- ii. $(100-x)\% * B + C \leq 1.0$, and
- iii. $x\% * A + (100-x)\% * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



16.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		WWAN	WLAN2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Simultaneous Non DBS	WLAN2.4GHz Ant 8 Simultaneous DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Standalone DBS	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS	WLAN2.4GHz Ant 7+8 Simultaneous DBS	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Standalone DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Simultaneous DBS	Bluetooth Ant 7	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Standalone DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS	WLAN6GHz Ant 7+8 Simultaneous DBS
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA II Ant 2	Right Cheek	0.896	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.401	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.575	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.437	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
WCDMA IV Ant 2	Right Cheek	0.769	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.492	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.429	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.493	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
WCDMA V Ant 0	Right Cheek	1.081	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.693	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.519	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.441	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 7 Ant 2	Right Cheek	0.510	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.346	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.368	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.111	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 12 Ant 0	Right Cheek	1.083	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.685	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.533	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.407	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 13 Ant 0	Right Cheek	1.219	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.799	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.622	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.514	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 14 Ant 0	Right Cheek	0.912	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.636	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.486	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.410	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 25 Ant 1	Right Cheek	0.232	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.169	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.296	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.174	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 25 Ant 2	Right Cheek	0.797	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.328	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.458	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.349	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 26 Ant 0	Right Cheek	1.066	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.486	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.827	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.527	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 66 Ant 1	Right Cheek	0.172	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.080	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.173	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.070	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091



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LTE Band 66 Ant 2	Right Cheek	0.784	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.407	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.413	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.432	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 71 Ant 0	Right Cheek	1.106	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.661	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.524	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.398	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 41 Ant 2	Right Cheek	0.287	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.181	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	0.138	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.070	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 41_HPU E Ant 2	Right Cheek	0.286	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted		0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek		0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted		0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
LTE Band 48 Ant 5	Right Cheek	0.504	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.453	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
	Left Cheek	1.140	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.902	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091

2+14	10+14	14+15	7+11	7+16	3+11+14	3+14+16	1+8	1+4+14	1+12+14	1+14+17	1+9+13	1+9+18	1+5+13+14	1+5+14+18
Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.06	1.04	1.02	1.05	1.03	1.11	1.02	1.10
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.59	0.44	0.51	0.51	0.54	0.59	0.48	0.53
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.99	0.84	0.83	0.71	0.92	0.89	0.84	0.81
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.68	0.48	0.61	0.55	0.64	0.65	0.55	0.56
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.93	0.91	0.89	0.92	0.90	0.98	0.89	0.98
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.69	0.53	0.60	0.61	0.63	0.69	0.57	0.62
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.84	0.70	0.68	0.56	0.77	0.74	0.69	0.67
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.73	0.54	0.66	0.60	0.70	0.71	0.61	0.62
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.24	1.22	1.20	1.24	1.21	1.30	1.21	1.29
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.89	0.73	0.80	0.81	0.83	0.89	0.77	0.82
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.93	0.79	0.77	0.65	0.86	0.83	0.78	0.76
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.68	0.49	0.61	0.55	0.65	0.66	0.55	0.56
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.67	0.65	0.63	0.66	0.64	0.72	0.64	0.72
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.54	0.39	0.45	0.46	0.49	0.54	0.42	0.48
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.78	0.63	0.62	0.50	0.71	0.68	0.63	0.60
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.35	0.16	0.28	0.22	0.32	0.33	0.22	0.23
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.24	1.22	1.21	1.24	1.21	1.30	1.21	1.29
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.88	0.73	0.79	0.80	0.83	0.88	0.76	0.81
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.95	0.80	0.79	0.67	0.87	0.85	0.80	0.77
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.65	0.45	0.58	0.52	0.61	0.62	0.52	0.53
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.38	1.36	1.34	1.37	1.35	1.43	1.34	1.43
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.99	0.84	0.90	0.91	0.94	0.99	0.88	0.93
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.04	0.89	0.88	0.75	0.96	0.94	0.89	0.86
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.75	0.56	0.68	0.62	0.72	0.73	0.63	0.64
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.07	1.05	1.03	1.07	1.04	1.13	1.04	1.12
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.83	0.68	0.74	0.75	0.78	0.83	0.71	0.77
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.90	0.75	0.74	0.62	0.83	0.80	0.75	0.72
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.65	0.45	0.58	0.52	0.62	0.63	0.52	0.53
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.39	0.37	0.35	0.39	0.36	0.45	0.36	0.44
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.36	0.21	0.27	0.28	0.31	0.36	0.25	0.30
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.71	0.56	0.55	0.43	0.64	0.61	0.56	0.53
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.41	0.22	0.34	0.28	0.38	0.39	0.29	0.30



0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.96	0.94	0.92	0.95	0.93	1.01	0.92	1.01
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.52	0.37	0.43	0.44	0.47	0.52	0.41	0.46
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.87	0.72	0.71	0.59	0.80	0.77	0.72	0.69
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.59	0.39	0.52	0.46	0.55	0.56	0.46	0.47
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.23	1.21	1.19	1.22	1.20	1.28	1.19	1.27
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.68	0.53	0.59	0.60	0.63	0.68	0.56	0.62
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.24	1.09	1.08	0.96	1.17	1.14	1.09	1.06
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.77	0.57	0.70	0.64	0.73	0.74	0.64	0.65
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.33	0.31	0.29	0.33	0.30	0.39	0.30	0.38
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.27	0.12	0.19	0.19	0.22	0.27	0.16	0.21
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.59	0.44	0.43	0.31	0.51	0.49	0.44	0.41
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.31	0.11	0.24	0.18	0.28	0.29	0.18	0.19
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.94	0.92	0.91	0.94	0.92	1.00	0.91	0.99
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.60	0.45	0.51	0.52	0.55	0.60	0.48	0.54
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.83	0.68	0.67	0.55	0.75	0.73	0.68	0.65
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.67	0.48	0.60	0.54	0.64	0.65	0.55	0.56
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.27	1.25	1.23	1.26	1.24	1.32	1.23	1.31
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.85	0.70	0.77	0.77	0.80	0.85	0.74	0.79
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.94	0.79	0.78	0.66	0.87	0.84	0.79	0.76
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.64	0.44	0.57	0.51	0.60	0.61	0.51	0.52
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.45	0.43	0.41	0.44	0.42	0.50	0.41	0.50
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.37	0.22	0.29	0.29	0.32	0.37	0.26	0.31
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.55	0.40	0.39	0.27	0.48	0.45	0.40	0.37
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.31	0.11	0.24	0.18	0.28	0.29	0.18	0.19
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.45	0.43	0.41	0.44	0.42	0.50	0.41	0.49
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.19	0.04	0.11	0.11	0.14	0.19	0.08	0.13
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.42	0.27	0.26	0.13	0.34	0.31	0.26	0.24
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.24	0.04	0.17	0.11	0.21	0.22	0.11	0.12
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.66	0.64	0.63	0.66	0.64	0.72	0.63	0.71
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.65	0.49	0.56	0.57	0.59	0.65	0.53	0.58
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.56	1.41	1.40	1.27	1.48	1.45	1.40	1.38
0.06	0.95	0.52	0.99	0.94	0.60	0.56	1.14	0.95	1.07	1.01	1.11	1.12	1.02	1.03



<5G NR >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
		WWAN	WLAN2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Simultaneous Non DBS	WLAN2.4GHz Ant 8 Simultaneous Non DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	Bluetooth Ant 7	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n25 Ant 1	Right Cheek	0.245	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.186	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.310	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.192	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n25 Ant 2	Right Cheek	0.858	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.395	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.543	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.431	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n26 Ant 0	Right Cheek	1.121	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.804	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.614	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.515	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n7 Ant 2	Right Cheek	0.505	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.242	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.258	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.085	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n12 Ant 0	Right Cheek	0.828	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.583	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.433	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.356	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n13 Ant 0	Right Cheek	1.041	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.742	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.583	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.483	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n14 Ant 0	Right Cheek	0.945	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.723	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.552	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.482	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n66 Ant 1	Right Cheek	0.189	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.067	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.199	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.073	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n66 Ant 2	Right Cheek	0.653	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.431	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.373	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.437	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n71 Ant 0	Right Cheek	0.978	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.684	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.523	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.386	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n41 Ant 0	Right Cheek	1.025	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.802	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
	Left Cheek	0.285	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104	
	Left Tilted	0.287	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091	
FR1 n41_HPUE	Right Cheek	0.854	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136	
	Right Tilted	0.582	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	



FCC SAR Test Report

Report No. : FA311602

Ant 2	Left Cheek	0.432	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.183	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n41 Ant 3	Right Cheek	0.458	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.119	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n41 Ant 3	Left Cheek	0.239	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.152	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n41 Ant 4	Right Cheek	0.144	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.129	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n41 Ant 4	Left Cheek	0.146	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.097	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n48 Ant 5	Right Cheek	0.502	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.444	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n48 Ant 5	Left Cheek	1.123	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.853	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part270 Ant 0	Right Cheek	0.994	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.605	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 Part270 Ant 0	Left Cheek	0.399	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.349	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part270Q Ant 0	Right Cheek	0.842	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.556	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 Part270Q Ant 0	Left Cheek	0.335	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.335	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part 270 Ant 1	Right Cheek	0.075	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.043	0.043	0.031	0.016	0.0587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103	
FR1 n77 Part 270 Ant 1	Left Cheek	0.067	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.058	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part 270Q Ant 1	Right Cheek	0.059	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.053	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 Part 270Q Ant 1	Left Cheek	0.064	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.063	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 HPUE Part 270 Ant 5	Right Cheek	0.588	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.508	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 HPUE Part 270 Ant 5	Left Cheek	1.119	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.868	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 HPUE Part 270Q Ant 5	Right Cheek	0.322	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.257	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 HPUE Part 270Q Ant 5	Left Cheek	0.751	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.436	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part270 Ant 6	Right Cheek	0.519	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.608	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 Part270 Ant 6	Left Cheek	0.517	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.607	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091
FR1 n77 Part270Q Ant 6	Right Cheek	0.787	0.183	0.183	0.121	0.054	0.546	0.327	0.160	0.078	0.603	0.363	0.104	0.053	0.018	0.600	0.600	0.136	0.136
	Right Tilted	0.926	0.043	0.043	0.031	0.016	0.587	0.351	0.193	0.090	0.523	0.336	0.095	0.051	0.010	0.562	0.562	0.103	0.103
FR1 n77 Part270Q Ant 6	Left Cheek	0.855	0.365	0.365	0.238	0.104	1.333	0.781	0.415	0.209	1.374	0.790	0.227	0.132	0.028	0.570	0.570	0.104	0.104
	Left Tilted	0.963	0.043	0.043	0.027	0.015	0.793	0.441	0.240	0.124	0.932	0.544	0.151	0.081	0.017	0.498	0.498	0.091	0.091



2+14	10+14	14+15	7+11	7+16	3+11+14	3+14+16	1+8	1+4+14	1+12+14	1+14+17	1+9+13	1+9+18	1+5+13+14	1+5+14+18
Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.41	0.38	0.37	0.40	0.38	0.46	0.37	0.45
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.38	0.23	0.29	0.30	0.33	0.38	0.26	0.32
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.73	0.58	0.57	0.44	0.65	0.62	0.57	0.55
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.43	0.24	0.36	0.30	0.40	0.41	0.31	0.32
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.02	1.00	0.98	1.01	0.99	1.07	0.98	1.07
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.59	0.44	0.50	0.51	0.54	0.59	0.47	0.52
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.96	0.81	0.80	0.68	0.88	0.86	0.81	0.78
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.67	0.48	0.60	0.54	0.64	0.65	0.54	0.55
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.28	1.26	1.24	1.28	1.25	1.34	1.25	1.33
0.05	0.53	0.57	0.69	0.91	0.39	0.62	1.00	0.85	0.91	0.92	0.95	1.00	0.88	0.93
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.03	0.88	0.87	0.75	0.96	0.93	0.88	0.85
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.76	0.56	0.68	0.62	0.72	0.73	0.63	0.64
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.67	0.64	0.63	0.66	0.64	0.72	0.63	0.71
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.44	0.28	0.35	0.36	0.38	0.44	0.32	0.37
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.67	0.52	0.51	0.39	0.60	0.57	0.52	0.49
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.33	0.13	0.25	0.19	0.29	0.30	0.20	0.21
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.99	0.97	0.95	0.98	0.96	1.04	0.95	1.04
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.78	0.62	0.69	0.70	0.72	0.78	0.66	0.71
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.85	0.70	0.69	0.57	0.77	0.75	0.70	0.67
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.60	0.40	0.52	0.46	0.56	0.57	0.47	0.48
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.20	1.18	1.16	1.20	1.17	1.26	1.17	1.25
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.94	0.78	0.85	0.86	0.88	0.94	0.82	0.87
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.00	0.85	0.84	0.72	0.92	0.90	0.85	0.82
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.72	0.53	0.65	0.59	0.69	0.70	0.60	0.61
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.11	1.08	1.07	1.10	1.08	1.16	1.07	1.15
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.92	0.76	0.83	0.84	0.86	0.92	0.80	0.85
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.97	0.82	0.81	0.68	0.89	0.87	0.82	0.79
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.72	0.53	0.65	0.59	0.69	0.70	0.60	0.61
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.35	0.33	0.31	0.34	0.32	0.40	0.31	0.40
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.26	0.11	0.17	0.18	0.21	0.26	0.14	0.20
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.61	0.47	0.45	0.33	0.54	0.51	0.46	0.44
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.31	0.12	0.24	0.18	0.28	0.29	0.19	0.20
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.81	0.79	0.78	0.81	0.78	0.87	0.78	0.86
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.62	0.47	0.54	0.54	0.57	0.62	0.51	0.56
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.79	0.64	0.63	0.51	0.71	0.69	0.64	0.61
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.68	0.48	0.61	0.55	0.64	0.65	0.55	0.56
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.14	1.12	1.10	1.13	1.11	1.19	1.10	1.19
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.88	0.73	0.79	0.80	0.83	0.88	0.76	0.81
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.94	0.79	0.78	0.66	0.86	0.84	0.79	0.76
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.63	0.43	0.55	0.49	0.59	0.60	0.50	0.51
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.19	1.16	1.15	1.18	1.16	1.24	1.15	1.23
0.05	0.53	0.57	0.69	0.91	0.39	0.62	1.00	0.84	0.91	0.92	0.94	1.00	0.88	0.93
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.70	0.55	0.54	0.42	0.63	0.60	0.55	0.52
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.53	0.33	0.46	0.40	0.49	0.50	0.40	0.41
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.01	0.99	0.98	1.01	0.99	1.07	0.98	1.06
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.78	0.62	0.69	0.70	0.72	0.78	0.66	0.71
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.85	0.70	0.69	0.56	0.77	0.75	0.70	0.67
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.42	0.23	0.35	0.29	0.39	0.40	0.30	0.31
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.62	0.60	0.58	0.61	0.59	0.67	0.58	0.67
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.31	0.16	0.22	0.23	0.26	0.31	0.20	0.25
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.65	0.51	0.49	0.37	0.58	0.55	0.50	0.48
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.39	0.20	0.32	0.26	0.36	0.37	0.27	0.28



0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.30	0.28	0.27	0.30	0.28	0.36	0.27	0.35
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.32	0.17	0.23	0.24	0.27	0.32	0.21	0.26
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.56	0.41	0.40	0.28	0.49	0.46	0.41	0.38
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.34	0.14	0.27	0.21	0.30	0.31	0.21	0.22
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.66	0.64	0.62	0.66	0.63	0.72	0.63	0.71
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.64	0.49	0.55	0.56	0.59	0.64	0.52	0.57
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.54	1.39	1.38	1.26	1.46	1.44	1.39	1.36
0.06	0.95	0.52	0.99	0.94	0.60	0.56	1.09	0.90	1.02	0.96	1.06	1.07	0.97	0.98
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.15	1.13	1.12	1.15	1.13	1.21	1.12	1.20
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.80	0.65	0.71	0.72	0.75	0.80	0.68	0.73
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.81	0.67	0.65	0.53	0.74	0.71	0.66	0.64
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.59	0.39	0.52	0.46	0.55	0.56	0.46	0.47
0.20	0.62	0.62	0.69	0.93	0.56	0.80	1.00	0.98	0.96	1.00	0.97	1.06	0.97	1.05
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.75	0.60	0.66	0.67	0.70	0.75	0.63	0.69
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.75	0.60	0.59	0.47	0.68	0.65	0.60	0.57
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.58	0.38	0.50	0.44	0.54	0.55	0.45	0.46
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.24	0.21	0.20	0.23	0.21	0.29	0.20	0.28
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.19	0.04	0.11	0.11	0.14	0.19	0.08	0.13
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.48	0.33	0.32	0.20	0.41	0.38	0.33	0.30
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.30	0.10	0.23	0.17	0.26	0.27	0.17	0.18
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.22	0.20	0.18	0.21	0.19	0.27	0.18	0.27
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.25	0.09	0.16	0.17	0.19	0.25	0.13	0.18
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.48	0.33	0.32	0.20	0.41	0.38	0.33	0.30
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.30	0.11	0.23	0.17	0.27	0.28	0.18	0.19
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.75	0.73	0.71	0.74	0.72	0.80	0.71	0.80
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.70	0.55	0.61	0.62	0.65	0.70	0.59	0.64
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.53	1.39	1.37	1.25	1.46	1.43	1.38	1.36
0.06	0.95	0.52	0.99	0.94	0.60	0.56	1.11	0.91	1.04	0.98	1.07	1.08	0.98	0.99
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.48	0.46	0.44	0.48	0.45	0.54	0.45	0.53
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.45	0.30	0.36	0.37	0.40	0.45	0.33	0.39
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.17	1.02	1.01	0.88	1.09	1.06	1.02	0.99
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.68	0.48	0.60	0.54	0.64	0.65	0.55	0.56
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.68	0.66	0.64	0.67	0.65	0.73	0.64	0.73
0.05	0.53	0.57	0.69	0.91	0.39	0.62	0.80	0.65	0.71	0.72	0.75	0.80	0.69	0.74
0.39	1.40	0.60	1.57	1.35	1.18	0.96	0.93	0.78	0.77	0.65	0.86	0.83	0.78	0.75
0.06	0.95	0.52	0.99	0.94	0.60	0.56	0.85	0.65	0.78	0.72	0.81	0.82	0.72	0.73
0.20	0.62	0.62	0.69	0.93	0.56	0.80	0.95	0.93	0.91	0.94	0.92	1.00	0.91	1.00
0.05	0.53	0.57	0.69	0.91	0.39	0.62	1.12	0.97	1.03	1.04	1.07	1.12	1.00	1.06
0.39	1.40	0.60	1.57	1.35	1.18	0.96	1.27	1.12	1.11	0.99	1.20	1.17	1.12	1.09
0.06	0.95	0.52	0.99	0.94	0.60	0.56	1.20	1.01	1.13	1.07	1.17	1.18	1.08	1.09



16.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	4+7	1+5	1+2+10	1+8+10	1+6+9	1+3+9+10	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 8 Simultaneous DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Standalone DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Simultaneous DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Standalone DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Simultaneous DBS 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
WCDMA II Ant 2	Front	0.251	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.31	0.34	0.32	0.33	0.33	
	Back	0.824	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.91	1.15	1.26	1.08	1.17	
	Left side	0.669	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.69	0.71	0.69	0.69	0.70	
	Right side	0.087	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.20	0.51	0.52	0.39	0.52	
	Top side	0.221	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.30	0.26	0.41	0.40	0.37	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
WCDMA IV Ant 2	Front	0.341	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.40	0.43	0.41	0.42	0.42	
	Back	0.653	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.74	0.98	1.09	0.91	1.00	
	Left side	0.632	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.65	0.67	0.65	0.66	0.66	
	Right side	0.085	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.20	0.51	0.52	0.39	0.52	
	Top side	0.301	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.38	0.34	0.49	0.48	0.45	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
WCDMA V Ant 0	Front	0.440	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.50	0.53	0.51	0.52	0.52	
	Back	0.462	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.55	0.79	0.90	0.72	0.81	
	Left side	0.220	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.24	0.26	0.24	0.25	0.25	
	Right side	0.197	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.31	0.62	0.63	0.50	0.63	
	Top side	0.474	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.55	0.51	0.66	0.65	0.62	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 7 Ant 2	Front	0.111	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.17	0.20	0.18	0.19	0.19	
	Back	1.122	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.21	1.45	1.56	1.38	1.47	
	Left side	0.611	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.63	0.65	0.63	0.64	0.64	
	Right side	0.001	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.12	0.42	0.44	0.31	0.43	
	Top side	0.066	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.14	0.10	0.25	0.25	0.21	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 12 Ant 0	Front	0.338	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.40	0.42	0.40	0.42	0.42	
	Back	0.359	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.45	0.68	0.80	0.61	0.70	
	Left side	0.397	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.41	0.43	0.42	0.42	0.43	
	Right side	0.244	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.36	0.67	0.68	0.55	0.67	
	Top side	0.316	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.39	0.35	0.50	0.50	0.46	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 13 Ant 0	Front	0.380	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.44	0.47	0.45	0.46	0.46	
	Back	0.393	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.48	0.72	0.83	0.65	0.74	
	Left side	0.303	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.32	0.34	0.32	0.33	0.33	
	Right side	0.211	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.33	0.63	0.65	0.52	0.64	
	Top side	0.381	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.46	0.42	0.57	0.56	0.53	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 14 Ant 0	Front	0.364	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.42	0.45	0.43	0.44	0.45	
	Back	0.359	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.45	0.68	0.80	0.61	0.70	
	Left side	0.255	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.27	0.29	0.28	0.28	0.29	
	Right side	0.188	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.30	0.61	0.62	0.50	0.62	
	Top side	0.351	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.43	0.39	0.54	0.53	0.50	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 25 Ant 1	Front	0.559	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.62	0.64	0.63	0.64	0.64	
	Back	1.244	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.33	1.57	1.68	1.50	1.59	1
	Left side	0.166	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.18	0.20	0.19	0.19	0.20	
	Right side	0.199	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.31	0.62	0.63	0.51	0.63	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.08	0.04	0.19	0.18	0.15	
	Bottom side	1.104										0.00	1.10	1.10	1.10	1.10	1.10	
LTE Band	Front	0.254	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.31	0.34	0.32	0.33	0.34	



FCC SAR Test Report

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25 Ant 2	Back	0.920	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.01	1.25	1.36	1.17	1.26	
	Left side	0.708	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.73	0.74	0.73	0.73	0.74	
	Right side	0.085	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.20	0.51	0.52	0.39	0.52	
	Top side	0.253	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.33	0.29	0.44	0.43	0.40	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 26 Ant 0	Front	0.174	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.23	0.26	0.24	0.25	0.26	
	Back	0.411	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.50	0.74	0.85	0.67	0.75	
	Left side	0.192	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.21	0.23	0.21	0.22	0.22	
	Right side	0.161	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.28	0.58	0.60	0.47	0.59	
	Top side	0.408	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.48	0.44	0.60	0.59	0.56	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 66 Ant 1	Front	0.547	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.61	0.63	0.61	0.63	0.63	
	Back	1.245	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.33	1.57	1.68	1.50	1.59	2
	Left side	0.125	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.14	0.16	0.15	0.15	0.16	
	Right side	0.172	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.29	0.59	0.61	0.48	0.60	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.08	0.04	0.19	0.18	0.15	
	Bottom side	1.084										0.00	1.08	1.08	1.08	1.08	1.08	
LTE Band 66 Ant 2	Front	0.280	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.34	0.37	0.35	0.36	0.36	
	Back	0.646	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.73	0.97	1.09	0.90	0.99	
	Left side	0.577	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.59	0.61	0.60	0.60	0.61	
	Right side	0.073	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.19	0.50	0.51	0.38	0.50	
	Top side	0.271	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.35	0.31	0.46	0.45	0.42	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 71 Ant 0	Front	0.350	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.41	0.44	0.42	0.43	0.43	
	Back	0.439	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.53	0.76	0.88	0.69	0.78	
	Left side	0.477	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.49	0.51	0.50	0.50	0.51	
	Right side	0.259	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.37	0.68	0.69	0.57	0.69	
	Top side	0.281	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.36	0.32	0.47	0.46	0.43	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 41 Ant 2	Front	0.134	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.19	0.22	0.20	0.21	0.22	
	Back	0.713	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.80	1.04	1.15	0.97	1.06	
	Left side	0.546	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.56	0.58	0.57	0.57	0.58	
	Right side	0.084	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.20	0.51	0.52	0.39	0.51	
	Top side	0.095	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.17	0.13	0.28	0.27	0.24	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 41_HPUE Ant 2	Front		0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.06	0.09	0.07	0.08	0.08	
	Back	0.706	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.79	1.03	1.15	0.96	1.05	
	Left side		0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.02	0.04	0.02	0.03	0.03	
	Right side		0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.11	0.42	0.44	0.31	0.43	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.08	0.04	0.19	0.18	0.15	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 48 Ant 5	Front	0.232	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.29	0.32	0.30	0.31	0.31	
	Back	0.966	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.05	1.29	1.41	1.22	1.31	
	Left side	0.032	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.05	0.07	0.05	0.06	0.06	
	Right side	1.132	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	1.25	1.55	1.57	1.44	1.56	
	Top side	0.228	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.30	0.26	0.42	0.41	0.38	
	Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	



<5G NR >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	4+7	1+2+10	1+8+10	1+6+9	1+3+9+10	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 8 Simultaneous DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Standalone DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8 Simultaneous DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Standalone DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Simultaneous Non DBS 1g SAR (W/kg)	WLAN5GHz Ant 7+8 Simultaneous DBS 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
FR1 n25 Ant 1	Front	0.719	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.80	0.79	0.80	0.80	
	Back	1.230	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.56	1.67	1.48	1.57	3
	Left side	0.096	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.13	0.12	0.12	0.13	
	Right side	0.239	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.66	0.67	0.55	0.67	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	1.097										0.00	1.10	1.10	1.10	1.10	
FR1 n25 Ant 2	Front	0.207	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.29	0.27	0.29	0.29	
	Back	0.612	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.94	1.05	0.87	0.96	
	Left side	0.824	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.86	0.84	0.85	0.86	
	Right side	0.082	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.50	0.52	0.39	0.51	
	Top side	0.217	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.25	0.40	0.40	0.37	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n26 Ant 0	Front	0.529	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.61	0.60	0.61	0.61	
	Back	0.692	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.02	1.13	0.95	1.04	
	Left side	0.396	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.43	0.42	0.42	0.43	
	Right side	0.119	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.54	0.55	0.43	0.55	
	Top side	0.483	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.52	0.67	0.66	0.63	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n7 Ant 2	Front	0.144	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.23	0.21	0.22	0.23	
	Back	1.123	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.45	1.56	1.38	1.47	
	Left side	0.776	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.81	0.80	0.80	0.81	
	Right side	0.001	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.42	0.44	0.31	0.43	
	Top side	0.101	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.14	0.29	0.28	0.25	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n12 Ant 0	Front	0.282	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.37	0.35	0.36	0.36	
	Back	0.307	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.63	0.75	0.56	0.65	
	Left side	0.234	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.27	0.25	0.26	0.27	
	Right side	0.074	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.50	0.51	0.38	0.50	
	Top side	0.242	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.28	0.43	0.42	0.39	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n13 Ant 0	Front	0.330	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.42	0.40	0.41	0.41	
	Back	0.374	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.70	0.81	0.63	0.72	
	Left side	0.158	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.19	0.18	0.18	0.19	
	Right side	0.084	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.51	0.52	0.39	0.51	
	Top side	0.281	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.32	0.47	0.46	0.43	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n14 Ant 0	Front	0.327	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.41	0.39	0.41	0.41	
	Back	0.359	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.68	0.80	0.61	0.70	
	Left side	0.165	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.20	0.19	0.19	0.20	
	Right side	0.001	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.42	0.44	0.31	0.43	
	Top side	0.320	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.36	0.51	0.50	0.47	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n66 Ant 1	Front	0.785	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.87	0.85	0.86	0.87	
	Back	1.184	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.51	1.62	1.44	1.53	4
	Left side	0.199	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.24	0.22	0.22	0.23	
	Right side	0.263	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.69	0.70	0.57	0.69	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	1.251										0.00	1.25	1.25	1.25	1.25	
FR1 n66 Ant 2	Front	0.296	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.38	0.36	0.37	0.38	
	Back	0.601	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.93	1.04	0.86	0.94	



FCC SAR Test Report

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	Left side	0.455	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.49	0.48	0.48	0.49	
	Right side	0.064	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.49	0.50	0.37	0.49	
	Top side	0.193	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.23	0.38	0.37	0.34	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n71 Ant 0	Front	0.249	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.33	0.32	0.33	0.33	
	Back	0.316	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.64	0.76	0.57	0.66	
	Left side	0.243	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.28	0.26	0.27	0.27	
	Right side	0.091	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.51	0.53	0.40	0.52	
	Top side	0.187	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.22	0.37	0.37	0.34	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n41 Ant 0	Front	0.162	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.25	0.23	0.24	0.24	
	Back	1.123	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.45	1.56	1.38	1.47	
	Left side	0.427	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.46	0.45	0.45	0.46	
	Right side	0.026	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.45	0.46	0.33	0.46	
	Top side	0.285	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.32	0.47	0.46	0.43	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n41_HPUE Ant 2	Front	0.156	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.24	0.22	0.23	0.24	
	Back	1.121	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.45	1.56	1.38	1.46	
	Left side	0.772	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.81	0.79	0.80	0.80	
	Right side	0.025	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.45	0.46	0.33	0.46	
	Top side	0.118	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.15	0.31	0.30	0.27	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n41 Ant 3	Front	0.180	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.27	0.25	0.26	0.26	
	Back	0.280	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.61	0.72	0.53	0.62	
	Left side	0.036	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.07	0.06	0.06	0.07	
	Right side	0.221	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.64	0.66	0.53	0.65	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	0.061										0.00	0.06	0.06	0.06	0.06	
FR1 n41 Ant 4	Front	0.191	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.28	0.26	0.27	0.27	
	Back	0.292	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.62	0.73	0.55	0.64	
	Left side	0.331	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.37	0.35	0.36	0.36	
	Right side	0.021	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.44	0.46	0.33	0.45	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	0.117										0.00	0.12	0.12	0.12	0.12	
FR1 n48 Ant 5	Front	0.214	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.30	0.28	0.29	0.30	
	Back	0.967	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.29	1.41	1.22	1.31	
	Left side	0.018	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.05	0.04	0.04	0.05	
	Right side	1.116	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	1.54	1.55	1.42	1.55	
	Top side	0.227	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.26	0.41	0.41	0.38	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 27O Ant 0	Front	0.327	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.41	0.39	0.41	0.41	
	Back	0.457	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.78	0.90	0.71	0.80	
	Left side	0.438	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.47	0.46	0.46	0.47	
	Right side	0.078	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.50	0.51	0.39	0.51	
	Top side	0.492	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.53	0.68	0.67	0.64	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 27Q Ant 0	Front	0.313	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.40	0.38	0.39	0.39	
	Back	0.591	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.92	1.03	0.85	0.93	
	Left side	0.451	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.49	0.47	0.48	0.48	
	Right side	0.061	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.48	0.50	0.37	0.49	
	Top side	0.484	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.52	0.67	0.66	0.63	
	Bottom side											0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 27O Ant 1	Front	0.289	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.37	0.36	0.37	0.37	
	Back	0.716	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.04	1.16	0.97	1.06	
	Left side	0.173	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.21	0.19	0.20	0.20	
	Right side	0.160	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.58	0.60	0.47	0.59	



	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	0.826										0.00	0.83	0.83	0.83	0.83	
FR1 n77 Part 27Q Ant 1	Front	0.409	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.49	0.48	0.49	0.49	
	Back	1.107	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.43	1.55	1.36	1.45	
	Left side	0.139	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.18	0.16	0.16	0.17	
	Right side	0.275	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.70	0.71	0.58	0.71	
	Top side		0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.04	0.19	0.18	0.15	
	Bottom side	1.121											0.00	1.12	1.12	1.12	1.12
FR1 n77_HPUE Part 27Q Ant 5	Front	0.168	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.25	0.23	0.25	0.25	
	Back	0.754	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.08	1.19	1.01	1.10	
	Left side	0.016	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.05	0.04	0.04	0.05	
	Right side	1.008	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	1.43	1.44	1.32	1.44	
	Top side	0.166	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.20	0.35	0.35	0.31	
	Bottom side												0.00	0.00	0.00	0.00	0.00
FR1 n77_HPUE Part 27Q Ant 5	Front	0.155	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.24	0.22	0.23	0.24	
	Back	0.804	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.13	1.24	1.06	1.15	
	Left side	0.020	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.06	0.04	0.05	0.05	
	Right side	1.130	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	1.55	1.57	1.44	1.56	
	Top side	0.142	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.18	0.33	0.32	0.29	
	Bottom side												0.00	0.00	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 6	Front	0.147	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.23	0.21	0.23	0.23	
	Back	0.612	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	0.94	1.05	0.87	0.96	
	Left side	0.105	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.14	0.13	0.13	0.14	
	Right side	0.066	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.49	0.50	0.37	0.50	
	Top side	0.962	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	1.00	1.15	1.14	1.11	
	Bottom side												0.00	0.00	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 6	Front	0.164	0.084	0.040	0.059	0.059	0.038	0.065	0.065	0.040	0.001	0.12	0.25	0.23	0.24	0.25	
	Back	0.774	0.324	0.144	0.087	0.087	0.056	0.438	0.438	0.198	0.001	0.53	1.10	1.21	1.03	1.12	
	Left side	0.206	0.035	0.017	0.017	0.017	0.012	0.019	0.019	0.013	0.001	0.04	0.24	0.23	0.23	0.24	
	Right side	0.099	0.415	0.189	0.114	0.114	0.073	0.428	0.428	0.234	0.007	0.54	0.52	0.53	0.41	0.53	
	Top side	0.862	0.035	0.017	0.076	0.076	0.049	0.186	0.186	0.130	0.001	0.26	0.90	1.05	1.04	1.01	
	Bottom side												0.00	0.00	0.00	0.00	0.00



16.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		WWAN	WLAN2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Standalone DBS	WLAN2.4GHz Ant 8 Simultaneous Non DBS	WLAN2.4GHz Ant 8 Simultaneous DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Standalone DBS	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS	WLAN2.4GHz Ant 7+8 Simultaneous DBS	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Standalone DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Simultaneous DBS	Bluetooth Ant 7	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Standalone DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS	WLAN6GHz Ant 7+8 Simultaneous DBS
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA II Ant 2	Front	0.187	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.526	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
WCDMA IV Ant 2	Front	0.239	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.434	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
WCDMA V Ant 0	Front	0.228	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.245	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 7 Ant 2	Front	0.134	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.996	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 12 Ant 0	Front	0.304	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.316	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 13 Ant 0	Front	0.307	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.308	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 14 Ant 0	Front	0.328	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.310	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 25 Ant 1	Front	0.393	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.792	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 25 Ant 2	Front	0.201	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.602	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 26 Ant 0	Front	0.240	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.266	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 66 Ant 1	Front	0.367	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.798	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 66 Ant 2	Front	0.255	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.605	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 71 Ant 0	Front	0.253	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.372	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 41 Ant 2	Front	0.072	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.378	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 41_HPUE Ant 2	Front	0.067	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.376	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
LTE Band 48 Ant 5	Front	0.232	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.972	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075



2+14	10+14	14+15	7+11	7+16	3+11+14	3+14+16	1+8	1+4+14	1+12+14	1+14+17	1+9+13	1+9+18	1+5+13+14	1+5+14+18
Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.23	0.23	0.27	0.22	0.28	0.26	0.29	0.26
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.58	0.68	0.93	0.60	0.80	0.66	0.90	0.76
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.28	0.28	0.32	0.27	0.34	0.31	0.34	0.32
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.49	0.59	0.84	0.51	0.71	0.57	0.81	0.66
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.27	0.27	0.31	0.26	0.32	0.30	0.33	0.31
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.30	0.40	0.65	0.32	0.52	0.38	0.62	0.47
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.17	0.18	0.22	0.17	0.23	0.21	0.24	0.21
0.26	1.36	0.27	1.07	0.53	1.06	0.52	1.05	1.15	1.40	1.07	1.27	1.13	1.37	1.23
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.34	0.35	0.39	0.34	0.40	0.38	0.41	0.38
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.37	0.47	0.72	0.39	0.59	0.45	0.69	0.55
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.35	0.35	0.39	0.34	0.40	0.38	0.41	0.38
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.36	0.46	0.71	0.39	0.58	0.44	0.68	0.54
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.37	0.37	0.41	0.36	0.42	0.40	0.43	0.41
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.37	0.46	0.72	0.39	0.58	0.44	0.68	0.54
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.43	0.44	0.48	0.43	0.49	0.47	0.49	0.47
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.85	0.95	1.20	0.87	1.07	0.92	1.16	1.02
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.24	0.24	0.28	0.24	0.30	0.27	0.30	0.28
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.66	0.76	1.01	0.68	0.88	0.73	0.97	0.83
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.28	0.28	0.32	0.28	0.34	0.31	0.34	0.32
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.32	0.42	0.67	0.34	0.54	0.40	0.64	0.50
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.41	0.41	0.45	0.40	0.46	0.44	0.47	0.44
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.85	0.95	1.20	0.88	1.07	0.93	1.17	1.03
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.29	0.30	0.34	0.29	0.35	0.33	0.36	0.33
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.66	0.76	1.01	0.68	0.88	0.74	0.98	0.83
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.29	0.30	0.34	0.29	0.35	0.33	0.35	0.33
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.43	0.53	0.78	0.45	0.65	0.50	0.74	0.60
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.11	0.12	0.15	0.11	0.17	0.14	0.17	0.15
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.43	0.53	0.78	0.46	0.65	0.51	0.75	0.61
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.04	0.04	0.08	0.04	0.10	0.07	0.10	0.08
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.43	0.53	0.78	0.45	0.65	0.51	0.75	0.61
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.27	0.28	0.31	0.27	0.33	0.30	0.33	0.31
0.26	1.36	0.27	1.07	0.53	1.06	0.52	1.03	1.13	1.38	1.05	1.25	1.10	1.34	1.20



<5G NR >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		WWAN	WLAN 2.4GHz Ant 8 Standalone Non DBS	WLAN2.4GHz Ant 8 Standalone DBS	WLAN2.4GHz Ant 8 Simultaneous Non DBS	WLAN2.4GHz Ant 8 Simultaneous DBS	WLAN2.4GHz Ant 7+8 Standalone Non DBS	WLAN2.4GHz Ant 7+8 Standalone DBS	WLAN2.4GHz Ant 7+8 Simultaneous Non DBS	WLAN2.4GHz Ant 7+8 Simultaneous DBS	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Standalone DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Simultaneous DBS	Bluetooth Ant 7	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Standalone DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS	WLAN6GHz Ant 7+8 Simultaneous DBS
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n25 Ant 1	Front	0.496	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.845	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n25 Ant 2	Front	0.197	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.539	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n26 Ant 0	Front	0.199	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.251	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n7 Ant 2	Front	0.089	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.681	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n12 Ant 0	Front	0.288	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.242	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n13 Ant 0	Front	0.298	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.277	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n14 Ant 0	Front	0.290	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.233	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n66 Ant 1	Front	0.459	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.764	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n66 Ant 2	Front	0.194	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.370	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n71 Ant 0	Front	0.329	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.344	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n41 Ant 0	Front	0.133	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.718	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n41_HPUE Ant 2	Front	0.208	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	1.117	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n41 Ant 3	Front	0.103	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.163	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n41 Ant 4	Front	0.103	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.157	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n48 Ant 5	Front	0.156	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.616	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part27O Ant 0	Front	0.203	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.375	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part27Q Ant 0	Front	0.139	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.266	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part 27O Ant 1	Front	0.173	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.401	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part 27Q Ant 1	Front	0.188	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.447	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77_HPUE Part 27O Ant 5	Front	0.117	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.533	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77_HPUE Part 27Q Ant 5	Front	0.131	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.718	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part27O Ant 6	Front	0.041	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.181	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075
FR1 n77 Part27Q Ant 6	Front	0.069	0.067	0.067	0.042	0.042	0.196	0.196	0.038	0.038	0.265	0.228	0.081	0.058	0.001	0.073	0.073	0.034	0.034
	Back	0.304	0.257	0.257	0.151	0.151	0.271	0.271	0.056	0.056	1.353	0.799	0.403	0.217	0.003	0.263	0.263	0.075	0.075



2+14	10+14	14+15	7+11	7+16	3+11+14	3+14+16	1+8	1+4+14	1+12+14	1+14+17	1+9+13	1+9+18	1+5+13+14	1+5+14+18
Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.53	0.54	0.58	0.53	0.59	0.57	0.60	0.57
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.90	1.00	1.25	0.92	1.12	0.98	1.22	1.07
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.24	0.24	0.28	0.23	0.29	0.27	0.30	0.27
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.60	0.69	0.95	0.62	0.81	0.67	0.91	0.77
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.24	0.24	0.28	0.23	0.30	0.27	0.30	0.28
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.31	0.41	0.66	0.33	0.52	0.38	0.62	0.48
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.13	0.13	0.17	0.12	0.19	0.16	0.19	0.17
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.74	0.84	1.09	0.76	0.95	0.81	1.05	0.91
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.33	0.33	0.37	0.32	0.38	0.36	0.39	0.37
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.30	0.40	0.65	0.32	0.52	0.37	0.61	0.47
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.34	0.34	0.38	0.33	0.39	0.37	0.40	0.38
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.33	0.43	0.68	0.36	0.55	0.41	0.65	0.51
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.33	0.33	0.37	0.33	0.39	0.36	0.39	0.37
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.29	0.39	0.64	0.31	0.51	0.36	0.60	0.46
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.50	0.50	0.54	0.49	0.56	0.53	0.56	0.54
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.82	0.92	1.17	0.84	1.04	0.90	1.14	0.99
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.23	0.24	0.28	0.23	0.29	0.27	0.30	0.27
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.43	0.52	0.78	0.45	0.64	0.50	0.74	0.60
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.37	0.37	0.41	0.36	0.43	0.40	0.43	0.41
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.40	0.50	0.75	0.42	0.62	0.48	0.72	0.57
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.17	0.18	0.22	0.17	0.23	0.21	0.23	0.21
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.77	0.87	1.12	0.80	0.99	0.85	1.09	0.95
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.25	0.25	0.29	0.24	0.30	0.28	0.31	0.29
0.26	1.36	0.27	1.07	0.53	1.06	0.52	1.17	1.27	1.52	1.20	1.39	1.25	1.49	1.35
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.14	0.15	0.19	0.14	0.20	0.18	0.20	0.18
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.22	0.32	0.57	0.24	0.44	0.29	0.53	0.39
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.14	0.15	0.19	0.14	0.20	0.18	0.20	0.18
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.21	0.31	0.56	0.24	0.43	0.29	0.53	0.39
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.19	0.20	0.24	0.19	0.25	0.23	0.26	0.23
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.67	0.77	1.02	0.69	0.89	0.75	0.99	0.85
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.24	0.25	0.29	0.24	0.30	0.28	0.30	0.28
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.43	0.53	0.78	0.45	0.65	0.51	0.75	0.60
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.18	0.18	0.22	0.17	0.24	0.21	0.24	0.22
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.32	0.42	0.67	0.34	0.54	0.40	0.64	0.50
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.21	0.22	0.26	0.21	0.27	0.25	0.27	0.25
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.46	0.56	0.81	0.48	0.67	0.53	0.77	0.63
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.23	0.23	0.27	0.22	0.28	0.26	0.29	0.27
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.50	0.60	0.85	0.53	0.72	0.58	0.82	0.68
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.16	0.16	0.20	0.15	0.21	0.19	0.22	0.19
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.59	0.69	0.94	0.61	0.81	0.66	0.90	0.76
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.17	0.17	0.21	0.17	0.23	0.20	0.23	0.21
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.77	0.87	1.12	0.80	0.99	0.85	1.09	0.95
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.08	0.08	0.12	0.08	0.14	0.11	0.14	0.12
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.24	0.34	0.59	0.26	0.45	0.31	0.55	0.41
0.07	0.27	0.07	0.42	0.27	0.30	0.14	0.11	0.11	0.15	0.10	0.17	0.14	0.17	0.15
0.26	1.36	0.27	1.07	0.53	1.06	0.52	0.36	0.46	0.71	0.38	0.58	0.44	0.68	0.53



16.5 Product specific 10g SAR Exposure Conditions

Remark:

- For WLAN2.4GHz /Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	WWAN	1	2	3	4	5	6	7	8	9	10	1+4+10	1+8+10	1+5+10	1+9+10
			10g SAR (W/kg)	WLAN5GHz Ant 7+8 Standalone Non DBS	WLAN5GHz Ant 7+8 Standalone DBS	WLAN5GHz Ant 7+8 Simultaneous Non DBS	WLAN5GHz Ant 7+8 Simultaneous DBS	WLAN6GHz Ant 7+8 Standalone Non DBS	WLAN6GHz Ant 7+8 Standalone DBS	WLAN6GHz Ant 7+8 Simultaneous Non DBS	WLAN6GHz Ant 7+8 Simultaneous DBS	NFC Ant 9	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE Band 7 Ant 2	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.526	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.14	2.75	2.89	2.75	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side											0.001	0.00	0.00	0.00	0.00
LTE Band 25 Ant 1	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.474	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.09	2.69	2.83	2.69	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side	3.286										0.001	3.29	3.29	3.29	3.29
LTE Band 66 Ant 1	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.542	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.16	2.76	2.90	2.76	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side	3.476										0.001	3.48	3.48	3.48	3.48
LTE Band 48 Ant 5	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.611	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.23	1.83	1.97	1.83	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side	3.168	2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	3.90	3.34	3.57	3.34	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side											0.001	0.00	0.00	0.00	0.00
FR1 n7 Ant 2	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.981	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.60	2.20	2.34	2.20	
	Left side	1.859	0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	1.88	1.89	1.98	1.89	
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side											0.001	0.00	0.00	0.00	0.00
FR1 n66 Ant 1	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.407	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.02	2.63	2.77	2.63	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side	3.287										0.001	3.29	3.29	3.29	3.29
FR1 n48 Ant 5	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.558	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.18	1.78	1.92	1.78	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side	3.093	2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	3.82	3.26	3.50	3.26	
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12	
	Bottom side											0.001	0.00	0.00	0.00	0.00
FR1 n77 HPUe Part 270 Ant 5	Front			0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.568	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.19	1.79	1.93	1.79	
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03	
	Right side	3.081	2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	3.81	3.25	3.48	3.25	



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	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side										0.001	0.00	0.00	0.00	0.00
FR1 n77_HPUE Part 27Q Ant 5	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.178	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	1.80	1.40	1.54	1.40
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03
	Right side	2.509	2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	3.24	2.68	2.91	2.68
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side											0.001	0.00	0.00	0.00
FR1 n77 Part 27O Ant 1	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	0.901	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	1.52	1.12	1.26	1.12
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side	1.642										0.001	1.64	1.64	1.64
FR1 n77 Part 27Q Ant 1	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	1.706	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.32	1.93	2.07	1.93
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side	2.934										0.001	2.94	2.94	2.94
FR1 n25 Ant 1	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.091	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	2.71	2.31	2.45	2.31
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side	3.260										0.001	3.26	3.26	3.26
FR1 n41_HPUE Ant 2	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	2.986	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.60	3.21	3.35	3.21
	Left side	2.376	0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	2.40	2.40	2.50	2.40
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side											0.001	0.00	0.00	0.00
FR1 n41 Ant 0	Front		0.660	0.461	0.188	0.109	0.213	0.213	0.063	0.063	0.005	0.19	0.07	0.11	0.07
	Back	3.317	3.494	1.922	0.592	0.334	0.602	0.602	0.194	0.194	0.025	3.93	3.54	3.68	3.54
	Left side		0.067	0.051	0.022	0.121	0.020	0.020	0.024	0.024	0.003	0.03	0.03	0.12	0.03
	Right side		2.802	2.014	0.728	0.402	0.494	0.494	0.166	0.166	0.001	0.73	0.17	0.40	0.17
	Top side		1.132	0.893	0.294	0.175	0.378	0.378	0.115	0.115	0.002	0.30	0.12	0.18	0.12
	Bottom side											0.001	0.00	0.00	0.00

16.6 SPLSR Evaluation and Analysis

General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.



WWAN+5G+BT Back 10mm



Case No	Band	Position	SAR	SAR (W/kg)	1g Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
							X	Y	Z				
Case 1	LTE Band 25 Ant 1	Back		1.244	1.244	10mm	-12	-74.9	-0.91	166.6	1.68	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm	-65.2	83	0.01				
	Bluetooth Ant 7			0.001	10mm								
	LTE Band 25 Ant 1	Back		1.244	1.244	10mm	-12	-74.9	-0.91	166.6	1.68	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm							
	Bluetooth Ant 7			0.001	10mm	-65.2	83	0.01					
Case 2	LTE Band 66 Ant 1	Back		1.245	1.245	10mm	-9.3	-53.3	-1.07	147.3	1.68	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm	-65.2	83	0.01				
	Bluetooth Ant 7			0.001	10mm								
	LTE Band 66 Ant 1	Back		1.245	1.245	10mm	-9.3	-53.3	-1.07	147.3	1.68	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm							
	Bluetooth Ant 7			0.001	10mm	-65.2	83	0.01					
Case 3	FR1 n25 Ant 1	Back		1.230	1.230	10mm	-11.5	-77.6	-0.95	169.3	1.67	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm	-65.2	83	0.01				
	Bluetooth Ant 7			0.001	10mm								
	FR1 n25 Ant 1	Back		1.230	1.230	10mm	-11.5	-77.6	-0.95	169.3	1.67	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm							
	Bluetooth Ant 7			0.001	10mm	-65.2	83	0.01					
Case 4	FR1 n66 Ant 1	Back		1.184	1.184	10mm	-10.4	-77.9	-1.01	170.0	1.62	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm	-65.2	83	0.01				
	Bluetooth Ant 7			0.001	10mm								
	FR1 n66 Ant 1	Back		1.184	1.184	10mm	-10.4	-77.9	-1.01	170.0	1.62	0.01	Not required
	WLAN5GHz Ant 7+8			0.438	0.439	10mm							
	Bluetooth Ant 7			0.001	10mm	-65.2	83	0.01					

Test Engineer : Martin Li, Varus Wang, Ricky Gu, Light Wang



17. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.



18. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
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- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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